API Well Number: 43013522950000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐

APPLICATION FOR PERMIT TO DRILL

1. WELL NAME and NUMBER
Flying Dutchman 3-18C4

2. TYPE OF WORK
DRILL NEW WELL ● REENTER P&A WELL ○ DEEPEN WELL ○

3. FIELD OR WILDCAT
ALTAMONT

4. TYPE OF WELL
Oil Well Coalbed Methane Well: NO

5. UNIT or COMMUNITIZATION AGREEMENT NAME

6. NAME OF OPERATOR
EP ENERGY E&P COMPANY, L.P.

7. OPERATOR PHONE
713 997-5038

8. ADDRESS OF OPERATOR
1001 Louisiana, Houston, TX, 77002

9. OPERATOR E-MAIL
maria.gomez@epenergy.com

10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE)
Fee

11. MINERAL OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ●

12. SURFACE OWNERSHIP
FEDERAL ○ INDIAN ○ STATE ○ FEE ●

13. NAME OF SURFACE OWNER (if box 12 = 'fee')
Diane Drain

14. SURFACE OWNER PHONE (if box 12 = 'fee')
8017189867

15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')
4620 S. 3720 W., West Valley City, UT 84120

16. SURFACE OWNER E-MAIL (if box 12 = 'fee')

17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')

18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS
YES ○ (Submit Commingling Application) NO ●

19. SLANT
VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	FOOTAGES	QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN
LOCATION AT SURFACE	1600 FSL 980 FEL	NESE	18	3.0 S	4.0 W	U
Top of Uppermost Producing Zone	1600 FSL 980 FEL	NESE	18	3.0 S	4.0 W	U
At Total Depth	1600 FSL 980 FEL	NESE	18	3.0 S	4.0 W	U

21. COUNTY
DUCHESNE

22. DISTANCE TO NEAREST LEASE LINE (Feet)
980

23. NUMBER OF ACRES IN DRILLING UNIT
640

25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed)
2100

26. PROPOSED DEPTH
MD: 11900 TVD: 11900

27. ELEVATION - GROUND LEVEL
5890

28. BOND NUMBER
400JU0708

29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE
Duchesne City

Hole, Casing, and Cement Information

String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	13.375	0 - 600	54.5	J-55 ST&C	9.0	Class G	1292	1.15	15.8
Surf	12.25	9.625	0 - 2500	40.0	N-80 LT&C	9.9	Unknown	312	3.16	11.0
							Unknown	191	1.33	14.3
I1	8.75	7	0 - 9000	29.0	HCP-110 LT&C	10.3	Unknown	428	2.31	12.0
							Unknown	91	1.91	12.5
L1	6.125	5	8800 - 11900	18.0	HCP-110 LT&C	12.9	Unknown	184	1.47	14.2

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

- ☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
- ☑ COMPLETE DRILLING PLAN
- ☑ AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)
- ☐ FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER
- ☐ DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)
- ☑ TOPOGRAPHICAL MAP

NAME Maria S. Gomez **TITLE** Principal Regulatory Analyst **PHONE** 713 997-5038

SIGNATURE **DATE** 07/12/2013 **EMAIL** maria.gomez@epenergy.com

API NUMBER ASSIGNED
43013522950000

APPROVAL

Permit Manager

RECEIVED: September 18, 2013

Flying Dutchman 3-18C4
Sec. 18, T3S, R4W
DUCHESNE COUNTY, UT

EP ENERGY E&P COMPANY, L.P.

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers**

Formation	Depth
Green River (GRRV)	4,050' TVD
Green River (GRTN1)	4,800' TVD
Mahogany Bench	5,700' TVD
L. Green River	6,257' TVD
Wasatch	8,907' TVD
T.D. (Permit)	11,900' TVD

2. **Estimated Depths of Anticipated Water, Oil, Gas or Mineral Formations:**

Substance	Formation	Depth
	Green River (GRRV)	4,050' MD / TVD
	Green River (GRTN1)	4,800' MD / TVD
	Mahogany Bench	5,700' MD / TVD
Oil	L. Green River	6,257' MD / TVD
Oil	Wasatch	8,907' MD / TVD

3. **Pressure Control Equipment:** (Schematic Attached)

A 4.5" by 20.0" rotating head on structural pipe from surface to 600' MD/TVD. A 4.5" by 13-3/8" Smith Rotating Head from 600' MD/TVD to 2,500' MD/TVD on Conductor. A 5M BOP stack, 5M kill lines and choke manifold used from 2,500' MD/TVD to 9,000' MD/TVD. A 10M BOE w/ rotating head, 5M annular, blind rams & mud cross from 9,000' MD/TVD to TD (11,900' MD/TVD).

The BOPE and related equipment will meet the requirements of the 5M and 10M system.

OPERATORS MINIMUM SPECIFICATIONS FOR BOPE:

The surface casing will be equipped with a flanged casing head of 5M psi working pressure. An 11" 5M x 11" 10M spool, 11" x 10M psi BOP and 5M psi annular will be nippled up on the surface casing and tested to 250 psi low test / 3,000 psi high test for 10 minutes each prior to drilling out. The surface casing will be tested to 1,000 psi. for 30 mins. Intermediate casing will be tested to the greater of 1,500 psi or 0.22 psi/ft. The choke manifold equipment, upper Kelly

RECEIVED: July 12, 2013

cock and floor safety valves will be tested to 5M psi. The annular preventer will be tested to 250 psi low test / 4,000 psi high test. The 10M BOP will be installed with 3-½" pipe rams, blind rams, mud cross and rotating head from intermediate shoe to TD. The BOPE will be hydraulically operated.

In addition, the BOP equipment will be tested after running intermediate casing, after any repairs to the equipment and at least once every 30 days. Pipe and blind rams will be activated on each trip, annular preventer will be activated weekly and weekly BOP drills will be held with each crew.

Statement on Accumulator System and Location of Hydraulic Controls:

Precision Rig # 404 is expected to be used to drill the proposed well. Operations will commence after approval of this application. Manual and/or hydraulic controls will be in compliance with 5M and 10M psi systems.

Auxiliary Equipment:

A) Pason Gas Monitoring 600' - TD
B) Mud logger with gas monitor – 2,500' to TD (11,900' MD/TVD)
C) Choke manifold with one manual and one hydraulic operated choke
D) Full opening floor valve with drill pipe thread
E) Upper and lower Kelly cock
F) Shaker, de-sander and centrifuge

4. **Proposed Casing & Cementing Program:**

Please refer to the attached Wellbore Diagram.
All casing will meet or exceed the following design safety factors:

- Burst = 1.00
- Collapse = 1.125
- Tension = 1.2 (including 100k# overpull)

Cement design calculations for intermediate and production hole will be based on minimum 10% excess over gauge hole volumes. Actual volumes pumped will be a minimum of 10% excess over caliper volume to designed tops of cement for any section logged. A minimum of 50% excess over gauge volume will be pumped on surface casing.

5. **Drilling Fluids Program:**

Proposed Mud Program:

Interval	Type	Mud Weight
Surface	WBM	9.0 – 9.9
Intermediate	WBM	9.0 – 10.3
Production	WBM	10.3 – 12.9

RECEIVED: July 12, 2013

Anticipated mud weights are based on actual offset well bottom-hole pressure data. Mud weights utilized may be somewhat higher to allow for trip margin and to provide hole stability for running logs and casing.

Visual mud monitoring equipment will be utilized.

6. **Evaluation Program**:

Logs:
Mud Log: 2,500' MD/TVD – TD (11,900' MD/TVD)
Open Hole Logs: Gamma Ray, Neutron-Density, Resistivity, Sonic, from surface casing shoe to TD.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 11,900' TVD equals approximately 7,983 psi. This is calculated based on a 0.6708 psi/ft gradient (12.9 ppg mud density at TD).

Maximum anticipated surface pressure equals approximately 5,365 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

Maximum anticipated surface pressure based on frac gradient at 7" casing shoe is 0.8 psi/ft at 9,000' TVD = 7,200 psi

BOPE and casing design will be based on the lesser of the two MASPs which is 5,365 psi.

8. **OPERATOR REQUESTS THAT THE PROPOSED WELL BE PLACED ON CONFIDENTIAL STATUS.**

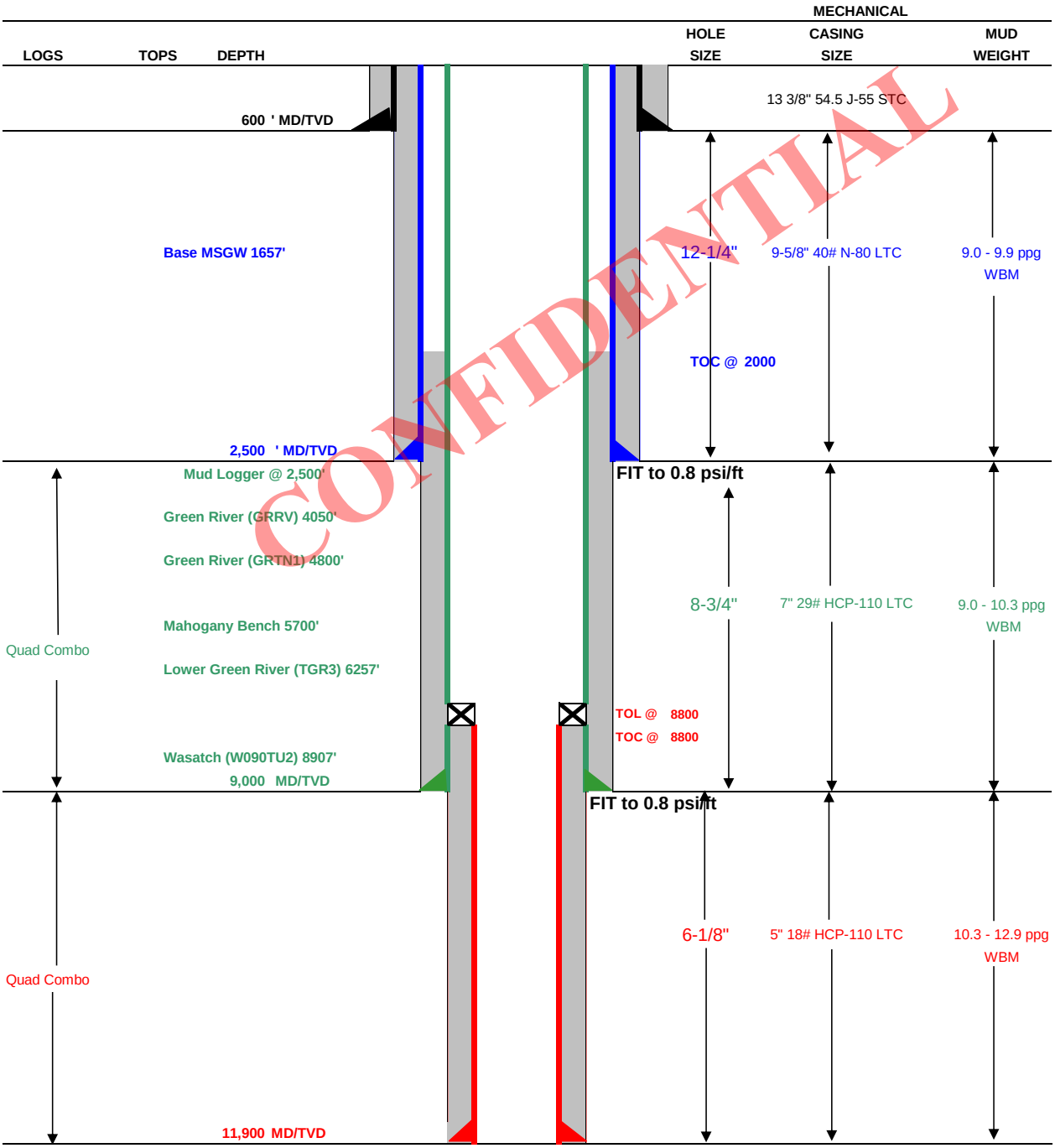
RECEIVED: July 12, 2013

EP ENERGY

Drilling Schematic

Company Name:	EP ENERGY	**Date:**	July 8, 2013
Well Name:	Flying Dutchman 3-18C4	**TD:**	11,900
Field, County, State:	Altamont, Duchesne, Utah	**AFE #:**	
Surface Location:	Sec 18 T3S R4W 1600' FSL 980' FEL	**BHL:**	Straight Hole
Objective Zone(s):	Green River, Wasatch	**Elevation:**	5890
Rig:	Precision 404	**Spud (est.):**	TBD

BOPE Info: 4.5 x 13 3/8 rotating head from 600' to 2,500' 11 5M BOP stack and 5M kill lines and choke manifold used from 2,500' to 9,000' 11 10M BOE w/rotating head, 5M annular, 3.5 rams, blind rams & mud cross from 9,000' to TD



RECEIVED: July 12, 2013

DRILLING PROGRAM

CASING PROGRAM	SIZE	INTERVAL		WT.	GR.	CPLG.	BURST	COLLAPSE	TENSION
CONDUCTOR	13 3/8"	0	600	54.5	J-55	STC	2,740	1,130	514
SURFACE	9-5/8"	0	2500	40.00	N-80	LTC	5,750	3,090	737
INTERMEDIATE	7"	0	9000	29.00	HCP-110	LTC	11,220	9,750	797
PRODUCTION LINER	5'	8800	11900	18.00	HCP-110	LTC	13,950	14,360	495

CEMENT PROGRAM		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
CONDUCTOR		600	Class G + 3% CACL2	1292	100%	15.8 ppg	1.15
SURFACE	Lead	2,000	EXTENDACEM (TM) SYSTEM: 5 lbm/sk Silicalite Compacted + 0.25 lbm/sk Kwik Seal + 0.125 lbm/sk Poly-E-Flake + 2% Bentonite	312	75%	11.0 ppg	3.16
	Tail	500	HALCEM (TM) SYSTEM: 3 lbm/sk Silicalite Compacted + 1% Salt + 0.3% Econolite + 0.25 lbm/sk Poly-E-Flake + 0.25 lbm/sk Kwik Seal + 0.5% HR-5	191	50%	14.3 ppg	1.33
INTERMEDIATE	Lead	6,000	EXTENDACEM (TM) SYSTEM: 4% Bentonite + 0.4% Econolite + 0.2% Halad(R)-322 + 3 lbm/sk Silicalite Compacted + 1.2% HR-5 + 0.125 lbm/sk Poly-E-Flake	428	10%	12.0 ppg	2.31
	Tail	1,000	EXPANDACEM (TM) SYSTEM: 0.2% Econolite + 0.3% Versaset + 0.9% HR-5 + 0.3% Super CBL + 0.2% Halad(R)-322 + 0.125 lbm/sk Poly-E-Flake	91	10%	12.5 ppg	1.91
PRODUCTION LINER		3,100	EXTENDACEM (TM) SYSTEM: 0.3% Super CBL + 0.1% SA-1015 + 0.3% Halad(R)-413 + 0.5% SCR-100 + 0.125 lbm/sk Poly-E-Flake + 3 lbm/sk Silicalite Compacted + 20% SSA-1	184	25%	14.20	1.47

FLOAT EQUIPMENT & CENTRALIZERS	
CONDUCTOR	PDC drillable guide shoe, 1 joint, PDC drillable float collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing.
SURFACE	PDC drillable guide shoe, 1 joint casing, PDC drillable float collar & Stage collar. Thread lock all float equipment. Install bow spring centralizers on the bottom 3 joints of casing & every 3rd joint thereafter.
INTERMEDIATE	PDC drillable 10M,P-110 float shoe, 1 joint, PDC drillable 10M, P-110 float collar. Thread lock all float equipment. Maker joint at 8,000'.
LINER	Float shoe, 1 joint, float collar. Thread lock all FE. Maker joints every 1000'.

PROJECT ENGINEER(S): Brad MacAfee 713-997-6383

MANAGER: Tommy Gaydos

RECEIVED: July 12, 2013

EP ENERGY E&P COMPANY, L.P.
FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.

PROCEED NORTH ON PAVED STATE HIGHWAY 87 FROM THE INTERSECTION OF HIGHWAY 87 WITH U.S. HIGHWAY 40 IN DUCHESNE, UTAH APPROXIMATELY 4.03 MILES TO AN INTERSECTION;

TURN RIGHT AND TRAVEL EASTERLY 0.87 MILES ON EXISTING DIRT ROAD TO THE BEGINNING OF THE ACCESS ROAD;

TURN RIGHT AND FOLLOW ROAD FLAGS SOUTHERLY 0.16 MILES TO THE PROPOSED WELL LOCATION;

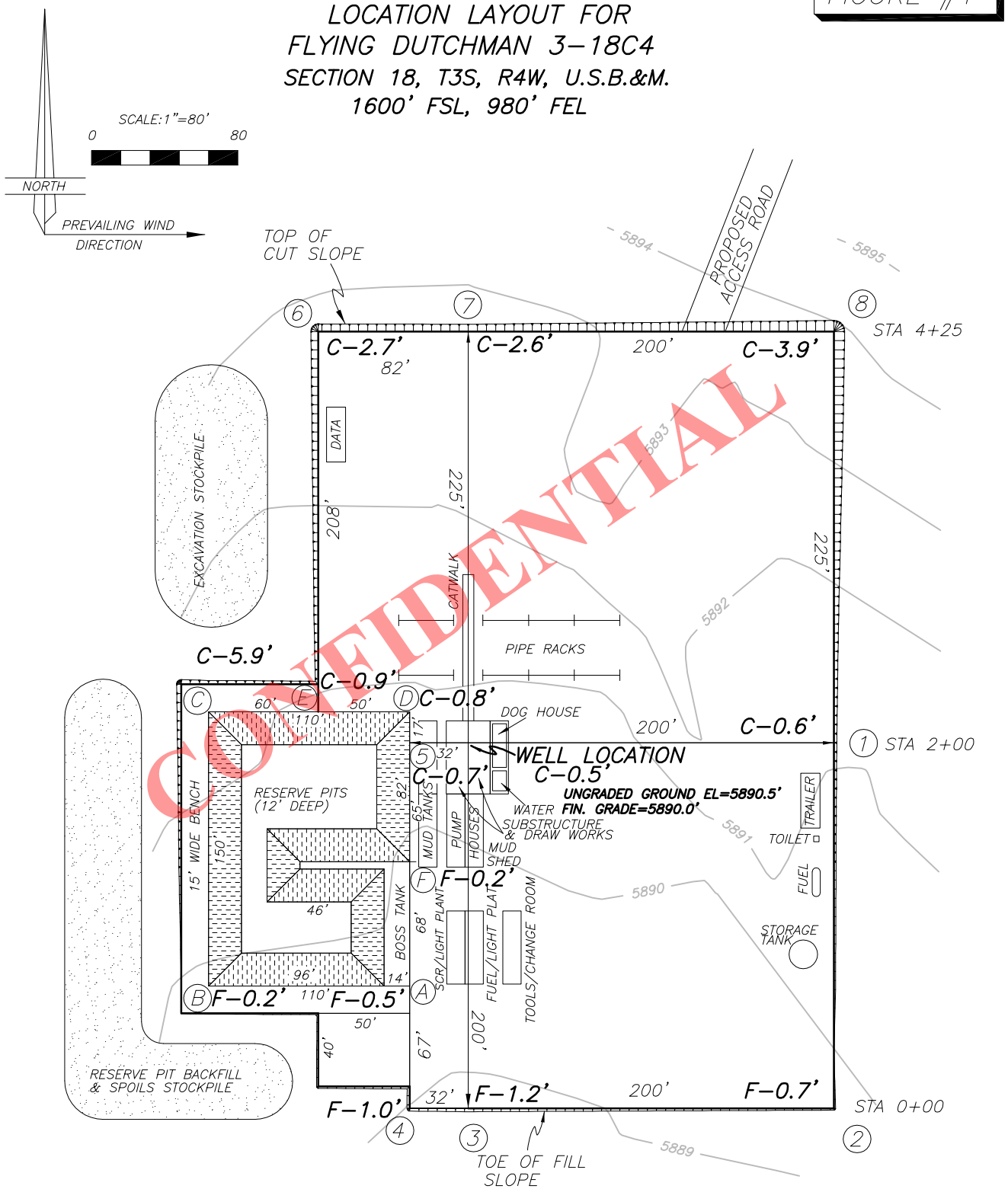
TOTAL DISTANCE FROM DUCHESNE, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 5.06 MILES.

RECEIVED: July 12, 2013

EP ENERGY E & P COMPANY, L.P.

FIGURE #1

LOCATION LAYOUT FOR
FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.
1600' FSL, 980' FEL



PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
2 JUL '13
STATE OF UTAH

Jerry D. Allred

2 JUL 2013 01-128-400

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

RECEIVED: July 12, 2013

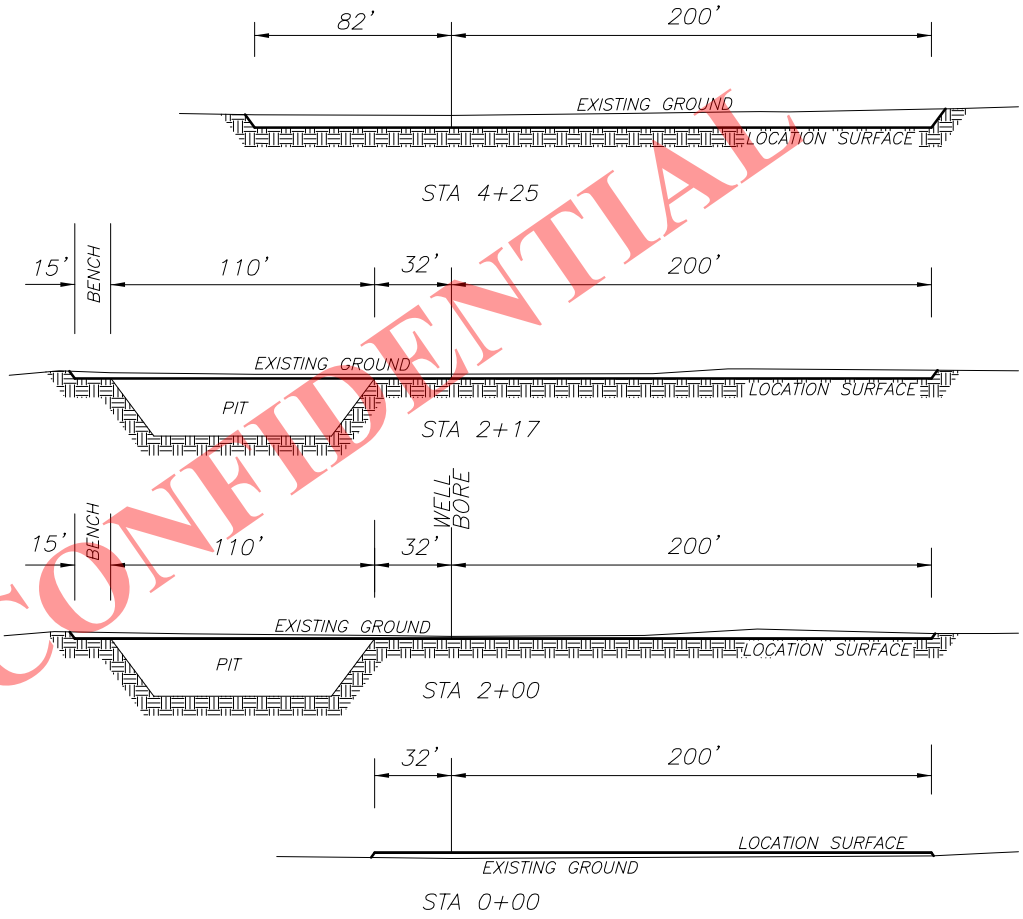
EP ENERGY E & P COMPANY, L.P.

FIGURE #2

LOCATION LAYOUT FOR
FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.
1600' FSL, 980' FEL

X-SECTION SCALE
1"=40'
1"=80'

NOTE: ALL CUT/FILL SLOPES ARE 1½:1 UNLESS OTHERWISE NOTED



APPROXIMATE QUANTITIES

TOTAL CUT (INCLUDING PIT) = 11,179 CU. YDS.

PIT CUT	=	4572 CU. YDS.
TOPSOIL STRIPPING: (6")	=	2529 CU. YDS.
REMAINING LOCATION CUT	=	4078 CU. YDS

TOTAL FILL = 1199 CU. YDS.

LOCATION SURFACE GRAVEL=1374 CU. YDS. (4" DEEP)

ACCESS ROAD GRAVEL=220 CU. YDS.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
2 JUL '13
STATE OF UTAH

Jerry D. Allred

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

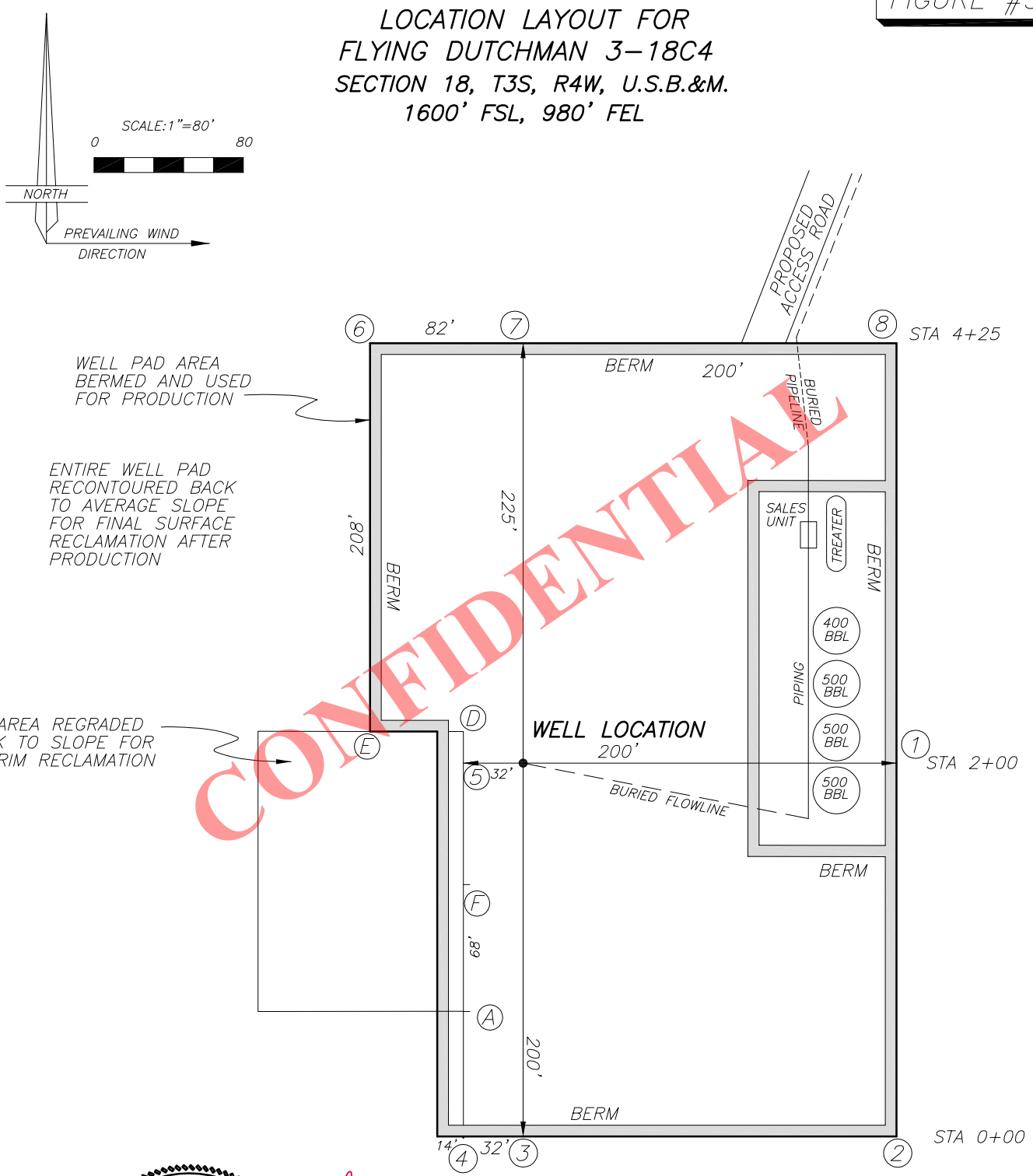
2 JUL 2013 01-128-400

RECEIVED: July 12, 2013

EP ENERGY E & P COMPANY, L.P.

FIGURE #3

LOCATION LAYOUT FOR
FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.
1600' FSL, 980' FEL



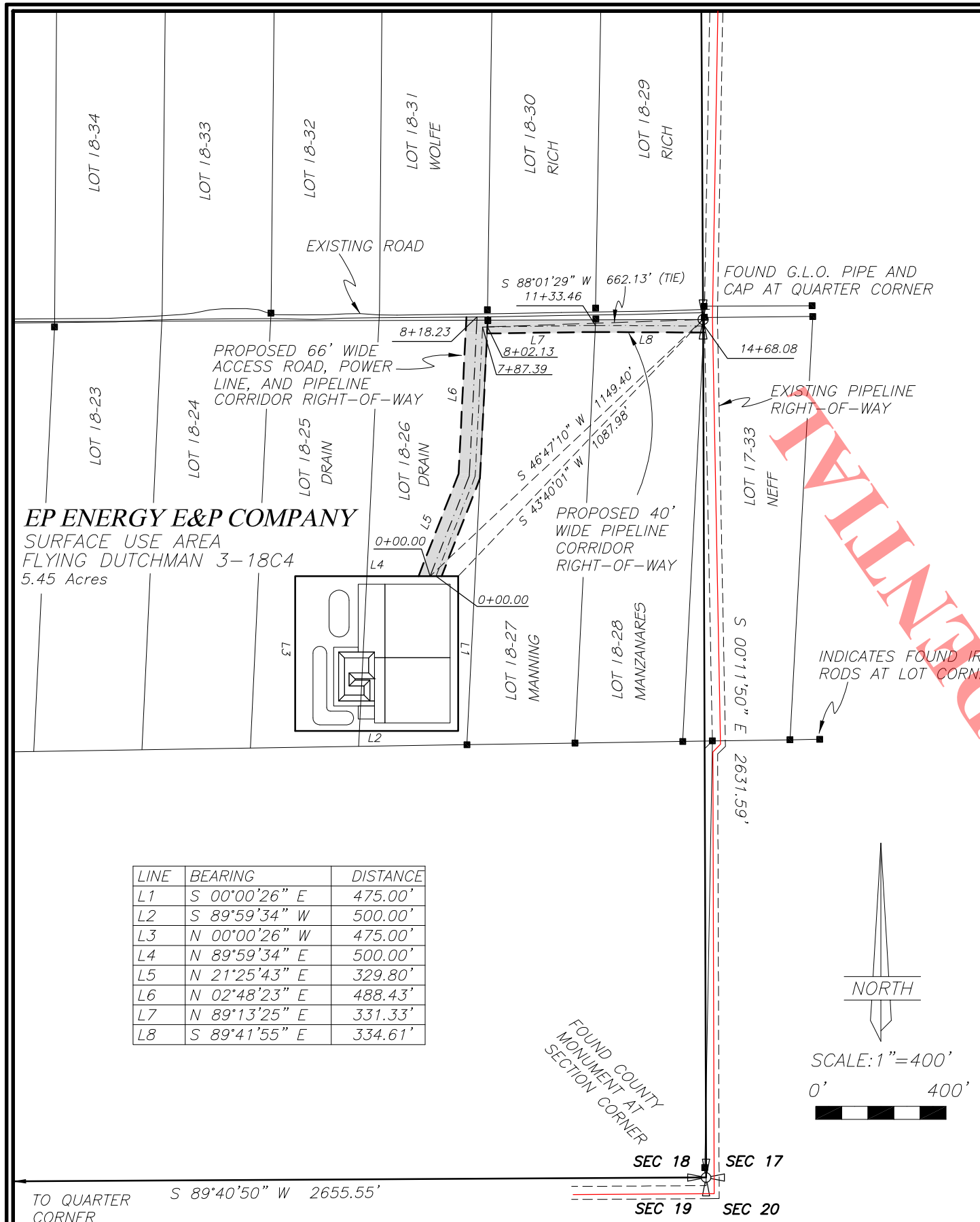
PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
2 JUL '13
STATE OF UTAH

Jerry D. Allred

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

2 JUL 2013 01-128-400

RECEIVED: July 12, 2013



LINE	BEARING	DISTANCE
L1	S 00°00'26" E	475.00'
L2	S 89°59'34" W	500.00'
L3	N 00°00'26" W	475.00'
L4	N 89°59'34" E	500.00'
L5	N 21°25'43" E	329.80'
L6	N 02°48'23" E	488.43'
L7	N 89°13'25" E	331.33'
L8	S 89°41'55" E	334.61'

PIPELINE CORRIDOR RIGHT-OF-WAY SURVEY FOR

EP ENERGY E&P COMPANY, L.P.

FLYING DUTCHMAN 3-18C4

SECTION 18, T3S, R4W, U.S.B.&M.

DUCHESNE COUNTY, UTAH

USE AREA BOUNDARY DESCRIPTION

Commencing at the East Quarter Corner of Section 18, Township 3 South, Range 4 West, of the Uintah Special Base and Meridian;
Thence South 43°40'01" West 1087.98 feet to the TRUE POINT OF BEGINNING;
Thence South 00°00'26" East 475.00 feet;
Thence South 89°59'34" West 500.00 feet;
Thence North 00°00'26" West 475.00 feet;
Thence North 89°59'34" East 500.00 feet to the TRUE POINT OF BEGINNING, CONTAINING 5.45 acres.

ACCESS ROAD, PIPELINE, AND POWER LINE CORRIDOR RIGHT-OF-WAY DESCRIPTION

A 66 feet wide access road, pipeline, and power line corridor right-of-way over portions of Section 18 of Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of which is further described as;
Commencing at the East Quarter Corner of said Section 18;
Thence South 46°47'10" West 1149.40 feet to the TRUE POINT OF BEGINNING, said point being on the North Line of the E.P. Energy E&P Co. Flying Dutchman 3-18C4 well location use area boundary;
Thence North 21°25'43" East 329.80 feet;
Thence North 02°48'23" East 488.43 feet to the South line of an existing road. Said right-of-way being 818.23 feet in length, with the sidelines being shortened or elongated to intersect said use area boundary and existing road line.

DESCRIPTION OF PIPELINE CORRIDOR RIGHT-OF-WAY

A 40 feet wide pipeline corridor right-of-way over portions of Section 18, Township 3 South, Range 4 West of the Uintah Special Base and Meridian, the centerline of which is further described as follows;
Commencing at the East Quarter Corner of said Section 18;
Thence South 88°01'29" West 662.13 feet to the TRUE POINT OF BEGINNING, on the East line of a previously described right-of-way;
Thence North 89°13'25" East 331.33 feet;
Thence South 89°41'55" East 334.61 feet to an existing pipeline right-of-way. Said right-of-way being 665.94 feet in length with the sidelines being shortened or elongated to intersect said rights-of-way.

SURVEYOR'S CERTIFICATE

This is to certify that this plat was prepared from the field notes and electronic data collector files of an actual survey made by me, or under my personal supervision, of the use area and access road, power line, and pipeline corridor right-of-way shown hereon, and that the monuments indicated were found or set during said survey, and that this plat accurately represents said survey to the best of my knowledge.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
3 JUL '13
STATE OF UTAH

Jerry D. Allred

Jerry D. Allred, Professional Land Surveyor, Certificate 148951 (Utah)

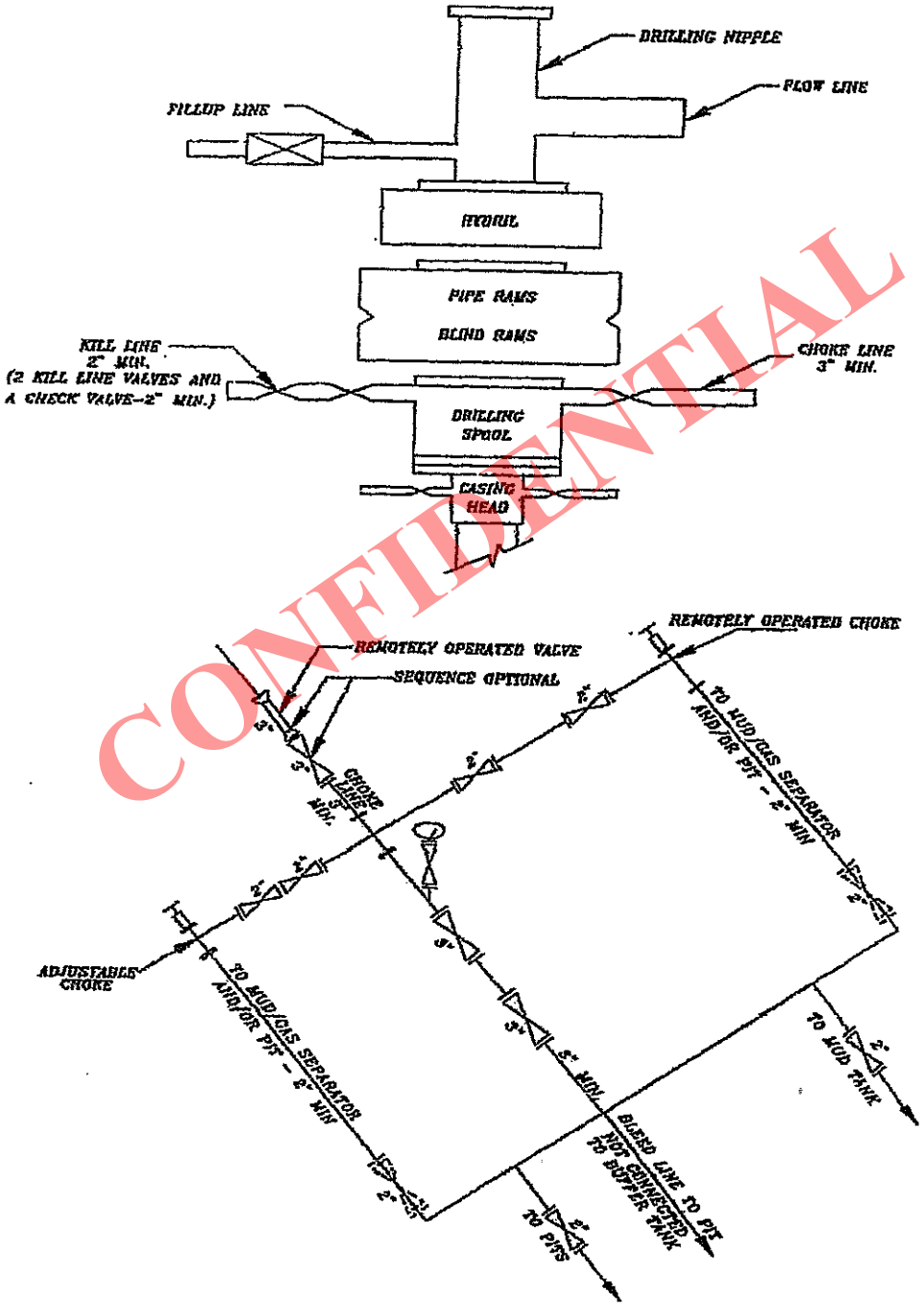
THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

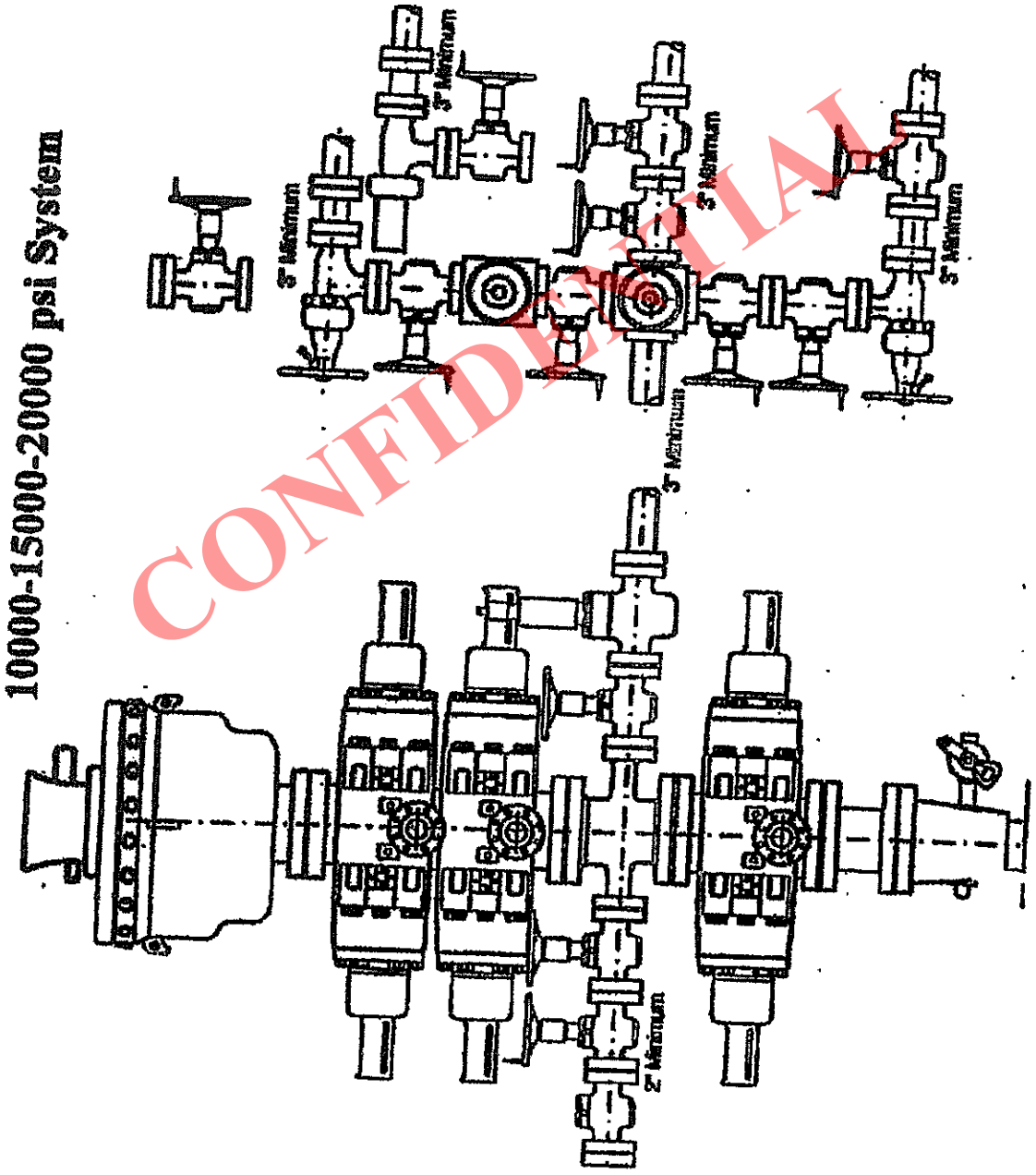
THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

3 JUL 2013 01-128-400

JERRY D. ALLRED AND ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

5M BOP STACK and CHOKE MANIFOLD SYSTEM



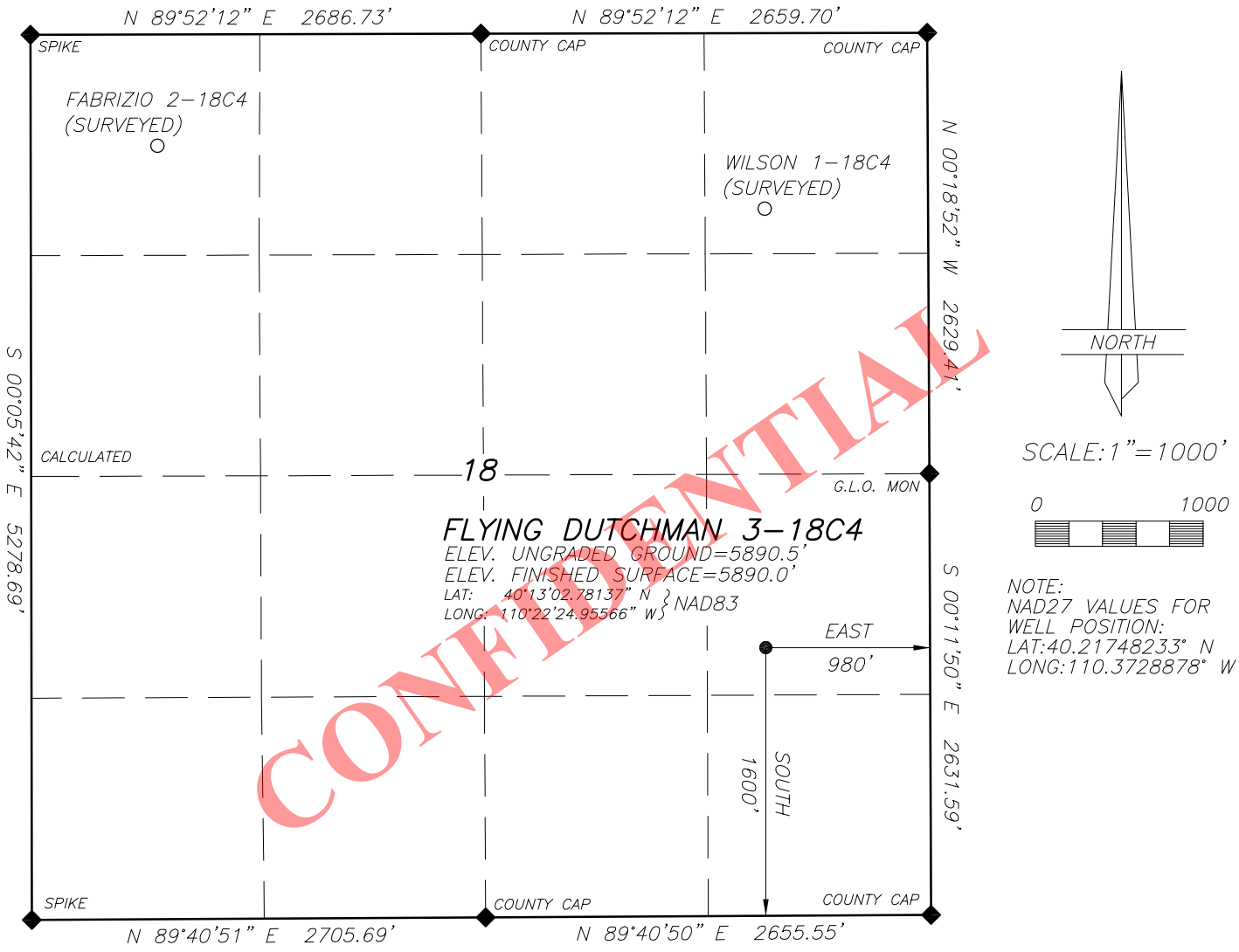


EP ENERGY E & P COMPANY, L.P.

WELL LOCATION

FLYING DUTCHMAN 3–18C4

LOCATED IN THE NE¼ OF THE SE¼ OF SECTION 18 T3S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH



NOTE:
NAD27 VALUES FOR WELL POSITION:
LAT:40.21748233° N
LONG:110.3728878° W

LEGEND AND NOTES

◆ CORNER MONUMENTS FOUND AND USED BY THIS SURVEY

THE GENERAL LAND OFFICE (G.L.O.) PLAT WAS USED FOR REFERENCE AND CALCULATIONS AS WAS THE U.S.G.S. MAP

THIS SURVEY WAS PERFORMED USING GLOBAL POSITIONING SYSTEM PROCEDURES AND EQUIPMENT

THE BASIS OF BEARINGS IS GEODETIC NORTH DERIVED FROM G.P.S. OBSERVATIONS AT THE SECTION CORNER LOCATED AT LAT. 40°15'22.90258"N AND LONG. 110°23'21.19760"W USING THE UTAH STATE G.P.S. VIRTUAL REFERENCE STATION CONTROL NETWORK MAINTAINED AND OPERATED BY THE AUTOMATED GEOGRAPHIC REFERENCE CENTER

BASIS OF ELEVATIONS: NAVD 88 DATUM USING THE UTAH REFERENCE NETWORK CONTROL SYSTEM

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THIS PLAT WAS PREPARED FROM THE FIELD NOTES AND ELECTRONIC DATA COLLECTOR FILES OF AN ACTUAL SURVEY PERFORMED BY ME, OR UNDER MY PERSONAL SUPERVISION, DURING WHICH THE SHOWN MONUMENTS WERE FOUND OR REESTABLISHED.

PROFESSIONAL LAND SURVEYOR
No. 148951
JERRY D. ALLRED
2 JUL '13
STATE OF UTAH

Jerry D. Allred

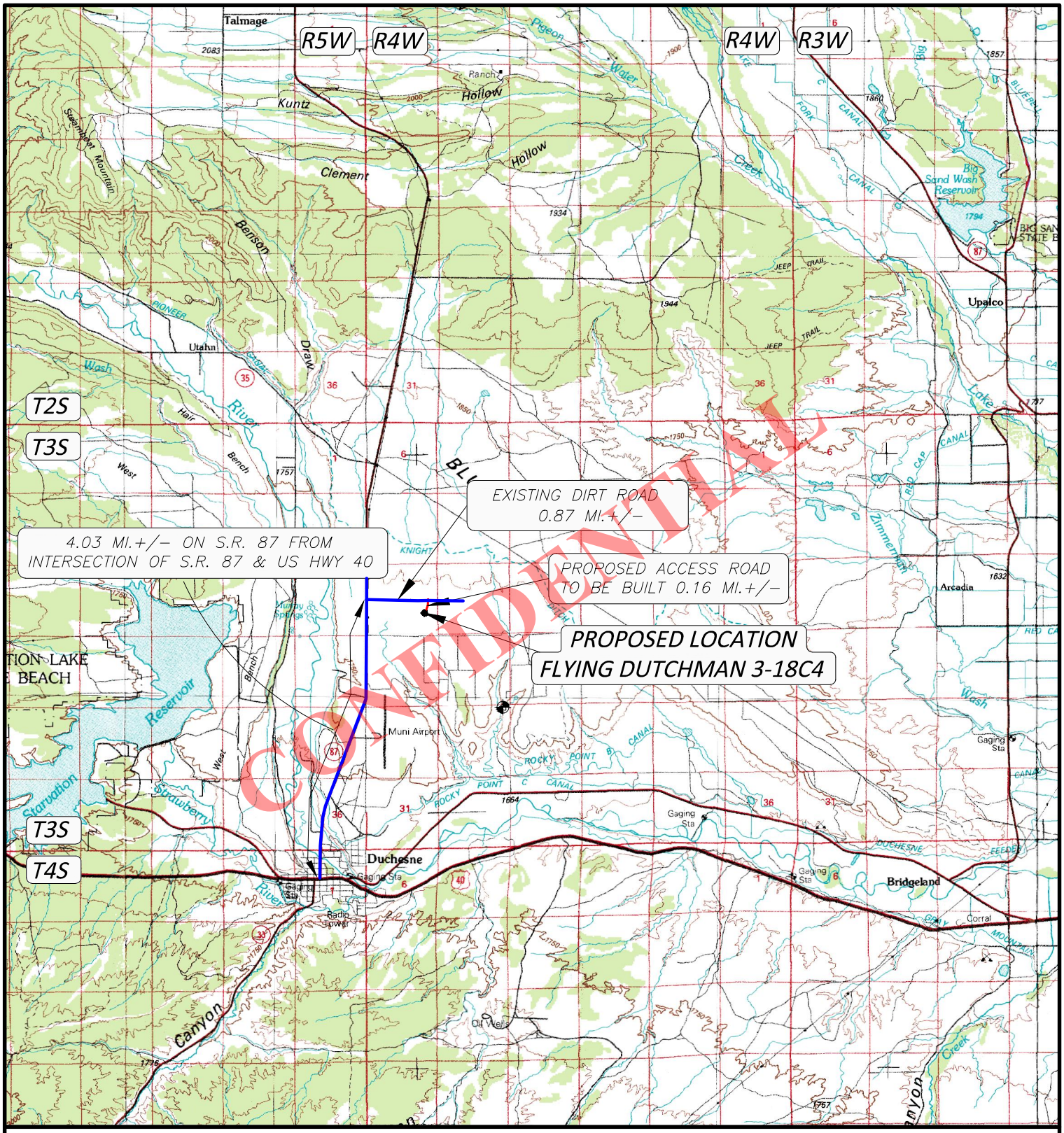
JERRY D. ALLRED, PROFESSIONAL LAND SURVEYOR, CERTIFICATE NO. 148951 (UTAH)

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

2 JUL 2013 01–128–400

RECEIVED: July 12, 2013

API Well Number: 43013522950000



LEGEND:

PROPOSED WELL LOCATION

01-128-400

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EP ENERGY E & P COMPANY, L.P.

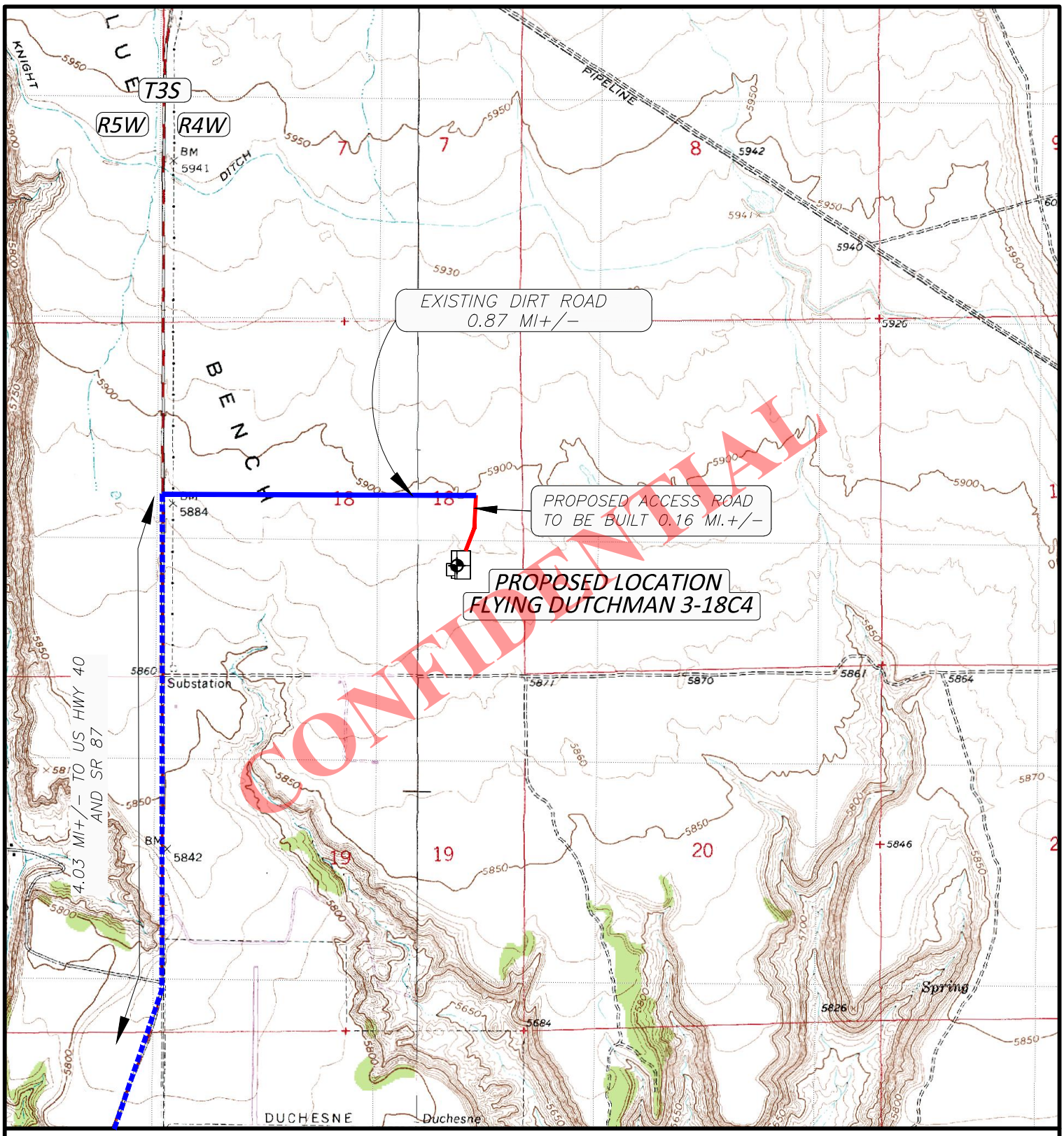
FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.
1600' FSL 980' FEL

TOPOGRAPHIC MAP "A"

SCALE; 1"=10,000'
3 JUL 2013

RECEIVED: July 12, 2013

API Well Number: 43013522950000



LEGEND:

- PROPOSED WELL LOCATION
- PROPOSED ACCESS ROAD
- EXISTING PAVED ROAD
- EXISTING DIRT ROAD

01-128-400

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EP ENERGY E & P COMPANY, L.P.

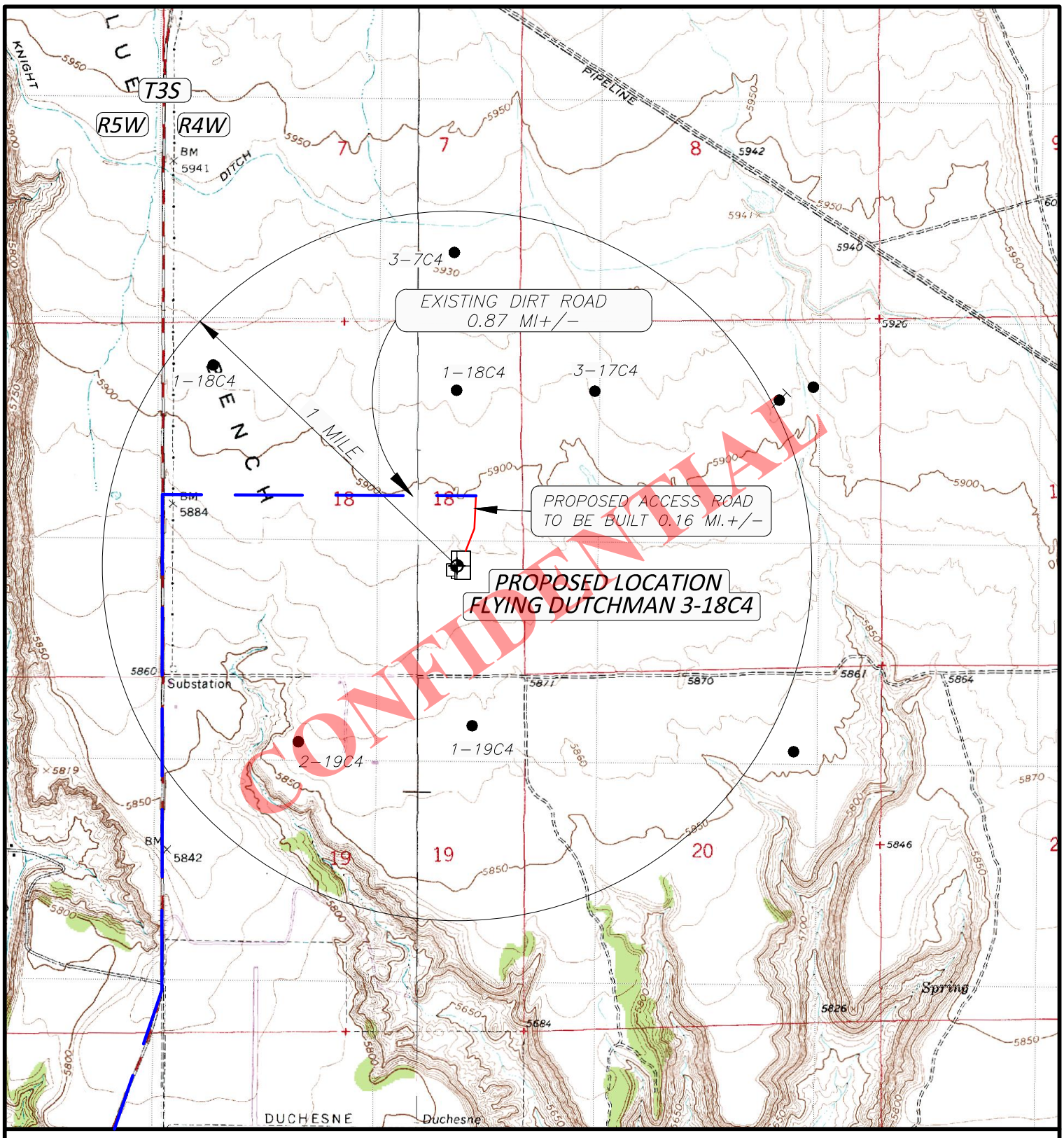
FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.
1600' FSL 980' FEL

TOPOGRAPHIC MAP "B"

SCALE; 1"=2000'
2 JUL 2013

RECEIVED: July 12, 2013

API Well Number: 43013522950000



LEGEND:

PROPOSED WELL LOCATION

01-128-400

JERRY D. ALLRED & ASSOCIATES
SURVEYING CONSULTANTS
1235 NORTH 700 EAST--P.O. BOX 975
DUCHESNE, UTAH 84021
(435) 738-5352

NORTH

EP ENERGY E & P COMPANY, L.P.

FLYING DUTCHMAN 3-18C4
SECTION 18, T3S, R4W, U.S.B.&M.
1600' FSL 980' FEL

TOPOGRAPHIC MAP "C"

SCALE; 1"=2000'
2 JUL 2013

RECEIVED: July 12, 2013

AFFIDAVIT OF DAMAGE SETTLEMENT AND RELEASE AGREEMENT

Orion L. Mitchell personally appeared before me, and, being duly sworn, deposes and says:

1. My name is Orion L. Mitchell. I am a Landman for EP Energy E&P Company, L.P., whose address is 1001 Louisiana Street, Houston, Texas 77002 ("EP Energy").
2. EP Energy is the operator of the proposed Flying Dutchman 3-18C4 well (the "Well") to be located in the NE/4SE/4 of Section 18, Township 3 South, Range 4 West, USM, Duchesne County, Utah (the "Drillsite Location"). The surface owner of the Drillsite Location is Diane Drain, whose address is 4620 S. 3720 W. West Valley City, Utah 84120 (the "Surface Owner"). The Surface Owner's telephone number is 801-718-9867.
3. EP Energy and the Surface Owner have entered into a Damage Settlement and Release Agreement dated June 1, 2013 to cover any and all injuries or damages of every character and description sustained by the Surface Owner or Surface Owner's property as a result of operations associated with the drilling of the Well.

FURTHER AFFIANT SAYETH NOT.

Orion L. Mitchell

ACKNOWLEDGMENT

STATE OF TEXAS §
§
CITY AND COUNTY OF HARRIS §

Before me, a Notary Public, in and for this state, on this 8th day of July, 2013, personally appeared Orion L. Mitchell, to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that he executed the same as his own free and voluntary act and deed for the uses and purposes therein set forth.

DORIS HART
Notary Public, State of Texas
My Commission Expires
January 16, 2017

NOTARY PUBLIC

My Commission Expires: 1/16/2017

Application for Permit to Drill – State DOGM
Flying Dutchman 3-18C4
Duchesne County, Utah

EP Energy E&P Company, L.P.

Related Surface Information

1. **Current Surface Use:**
   - Livestock Grazing and Oil and Gas Production.

2. **Proposed Surface Disturbance:**
   - The road will be crown and ditch. Water wings will be constructed on the access road as needed.
   - The topsoil will be windrowed and re-spread in the borrow area.
   - New road to be constructed will be approximately .16 miles in length and 66 feet wide.
   - All equipment and vehicles will be confined to the access road, pad and area specified in the APD.

3. **Location Of Existing Wells:**
   - Existing oil, gas wells within one (1) mile radius of proposed well are provided in EXHIBIT C.

4. **Location And Type Of Drilling Water Supply:**
   - Drilling water: Duchesne City Water

5. **Existing/Proposed Facilities For Productive Well:**
   - There are no existing facilities that will be utilized for this well.
   - A pipeline corridor .66 miles will parallel the proposed access road. The corridor will contain one 4 inch gas line and one 2 inch gas line and one 2 inch Salt Water disposal line. Rehabilitation of unneeded, previously disturbed areas will consist of backfilling and contouring the reserve pit area; backsloping and contouring all cut and fill slopes. These areas will be reseeded. Refer to plans for reclamation of surface for details.
   - Upgrade and maintain access roads and drainage control structures (e.g., culverts, drainage dips, ditching, etc.) as necessary to prevent soil erosion and accommodate safe, year-round traffic.

6. **Construction Materials:**
   - Native soil from road and location will be used for construction materials along with gravel and/or scoria road base material. In the event that conditions should necessitate graveling of all or part of the access road and location, surfacing materials will be purchased from commercial suppliers in the marketing area.

7. **Methods For Handling Waste Disposal:**
   - The reserve pit will be designed to prevent the collection of surface runoff and will be constructed with a minimum of ½ the total depth below the original ground surface on the lowest point with the pit. The pit will be lined with a 20-mil polyethylene to prevent leakage of fluids. The liner will be rolled into place and secured at the ends, i.e. buried on top of the pit berms. Prior to use, the reserve pit will be fenced on three sides; the fourth side will be fenced at the time the rig is removed. Drilling fluids, cuttings and produced water will be contained in the reserve pit (trash will be place in the trash cage). Fluids in the reserve pit will be allowed to evaporate prior to pit burial.
   - Garbage and other trash will be contained in the portable trash cage and hauled off the location to an authorized disposal site. Any trash on the pad will be cleaned up prior to the rig moving off location and hauled to an authorized disposal site.
   - Sewage will be handled in Portable Toilets.
   - Produced water will be placed in the reserve pit for a period not to exceed ninety days after initial production. Any hydrocarbons produced during completion work will be contained in test tanks and removed from the location at a later date.
   - Water from the reserve pit may be used for drilling of additional wells. The water will be trucked along access roads as approved in pertinent APD's

8. **Ancillary Facilities:**
   - There will be no ancillary facilities associated with this project.

RECEIVED: July 12, 2013

9. **Surface Reclamation Plans:**

Backfilling of the pits will be done when dry. In the event of a dry hole, the location will be re-contoured, the topsoil will be distributed evenly over the entire location, and the seedbed prepared.

- Seed will be planted after September 15th, and prior to ground frost, or seed will be planted after the frost has left and before May 15th. Slopes to steep for machinery will be hand broadcast and raked with twice the specified amount of seed.

1. The construction program and design are on the attached cut, fill and cross sectional diagrams.
2. Prior to construction, all topsoil will be removed from the entire site and stockpiled. Topsoil for this site is the first 6 inches of soil materials.
3. After the location has been reshaped and after redistributing the topsoil, the operator will rip and scarify the drilling platform and access road on the contour, to a depth of at least 12 inches.

- Rehabilitation will begin upon the completion of the drilling. Complete rehabilitation will depend on weather conditions and the amount of time required to dry the reserve pit.

1. All rehabilitation work including seeding will be completed as soon as weather and the reserve pit conditions are appropriate.
2. Landowner will be contacted for rehabilitation requirements.

10. **Surface Ownership:**

Diane Drain
4620 S. 3720 W.
West Valley City, Utah 84120
801-718-9867

Other Information:

- The surface soil consists of clay, and silt.
- Flora – vegetation consists of the following: Sagebrush, Juniper and prairie grasses.
- Fauna – antelope, deer, coyotes, raptors, small mammals, and domestic grazing animals.
- Current surface uses – Livestock grazing and mineral exploration and production.

- **Operator and Contact Persons:**

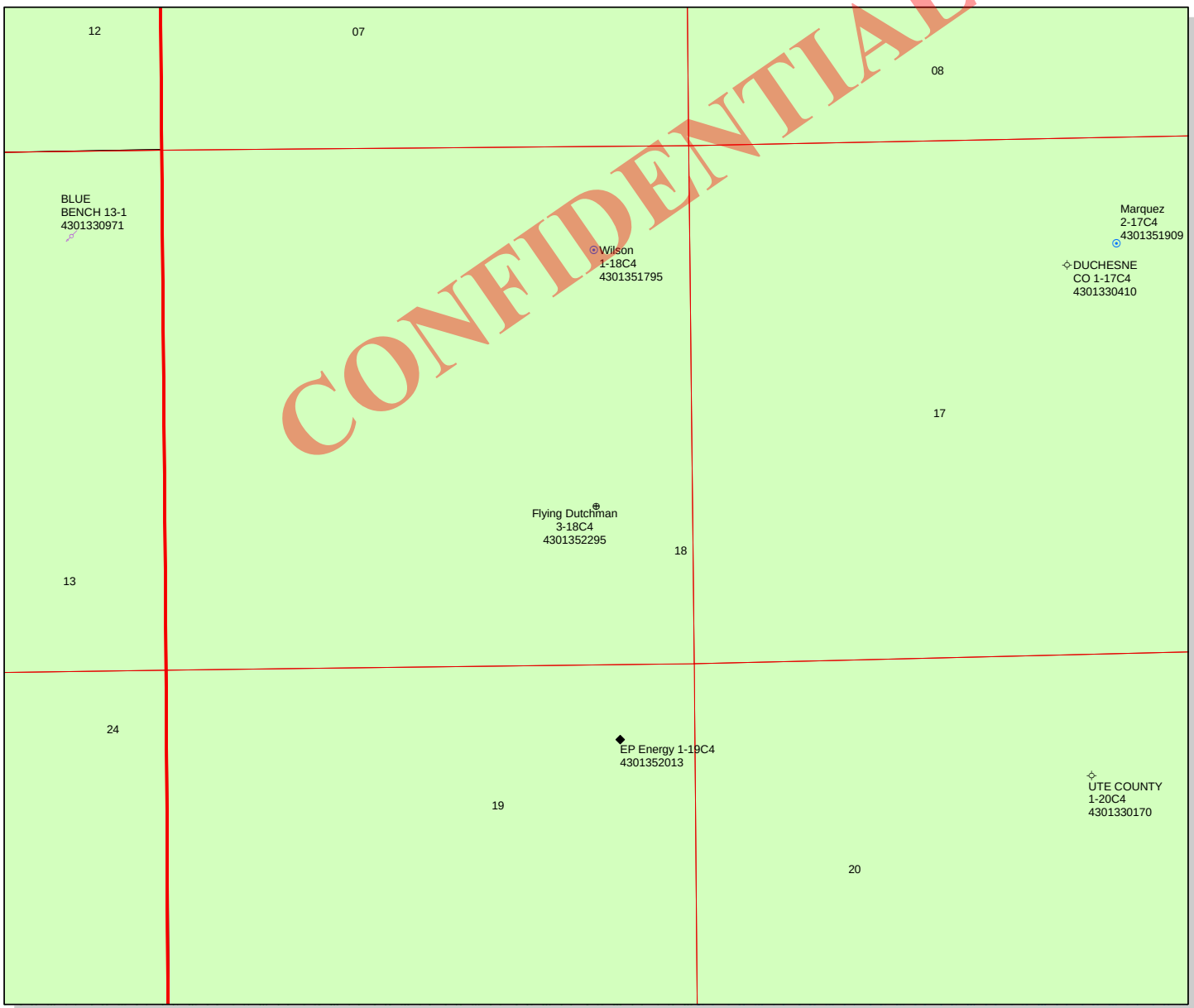
Construction and Reclamation:
EP Energy E&P Company, L.P.
Wayne Garner
PO Box 410
Altamont, Utah 84001
435-454-3394 – Office
435-823-1490 – Cell

Regarding This APD
EP Energy E&P Company, L.P.
Maria S. Gomez
1001 Louisiana, Rm 2730D
Houston, Texas 77002
713-997-5038 – Office

Drilling
EP Energy E&P Company, L.P.
Brad MacAfee – Drilling Engineer
1001 Louisiana, Rm 2660D
Houston, Texas 77002
713-997-6383 – office
281-813-0902 – Cell

RECEIVED: July 12, 2013

API Well Number: 43013522950000



API Number: 4301352295

Well Name: Flying Dutchman 3-18C4

Township T03.0S Range R04.0W Section 18

Meridian: UBM

Operator: EP ENERGY E&P COMPANY, L.P.

Map Prepared:
Map Produced by Diana Mason

Units

STATUS

- ACTIVE
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

1,300 650 0 1,300 Feet

1:12,515

RECEIVED: July 12, 2013

API Well Number: 43013522950000

BOPE REVIEW EP ENERGY E&P COMPANY, L.P. Flying Dutchman 3-18C4 43013522950000

Well Name	EP ENERGY E&P COMPANY, L.P. Flying Dutchman 3-18C4 430135229			
String	Cond	Surf	I1	L1
Casing Size(")	13.375	9.625	7.000	5.000
Setting Depth (TVD)	600	2500	9600	11900
Previous Shoe Setting Depth (TVD)	0	600	2500	9600
Max Mud Weight (ppg)	9.0	9.9	10.3	12.9
BOPE Proposed (psi)	1000	1000	5000	10000
Casing Internal Yield (psi)	2730	5750	11220	13940
Operators Max Anticipated Pressure (psi)	7983			12.9

Calculations	Cond String	13.375	"	
Max BHP (psi)	.052*Setting Depth*MW=	281		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	209	YES	rotating head on structural pipe
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	149	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	149	NO	OK
Required Casing/BOPE Test Pressure=		600	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi	*Assumes 1psi/ft frac gradient

Calculations	Surf String	9.625	"	
Max BHP (psi)	.052*Setting Depth*MW=	1287		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	987	YES	Smith rotating head
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	737	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	869	NO	OK
Required Casing/BOPE Test Pressure=		2500	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		600	psi	*Assumes 1psi/ft frac gradient

Calculations	I1 String	7.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	5142		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	3990	YES	5M BOPE, 5M kill lines & choke manifold
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3030	YES	OK
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3580	NO	OK
Required Casing/BOPE Test Pressure=		7854	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		2500	psi	*Assumes 1psi/ft frac gradient

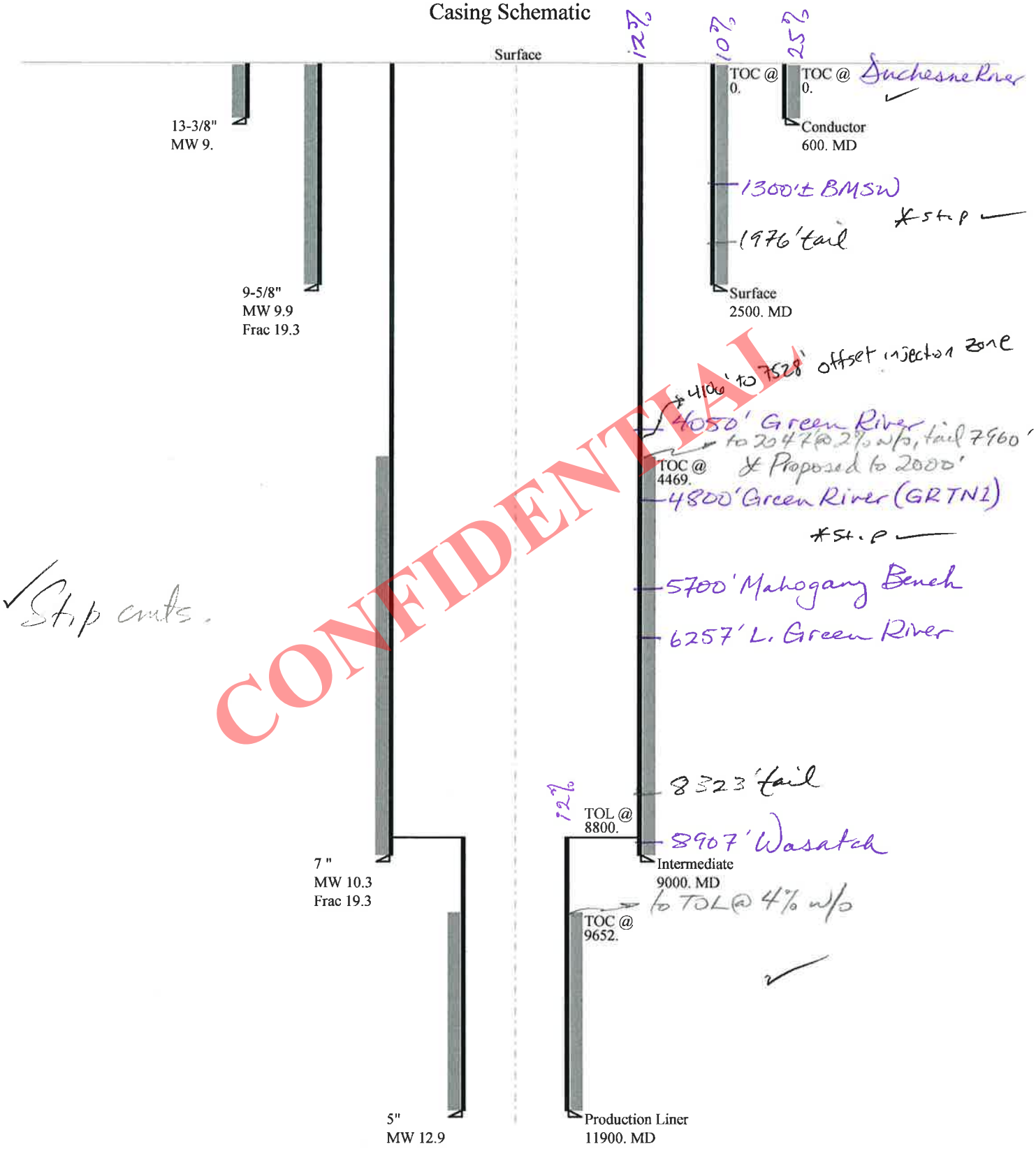
Calculations	L1 String	5.000	"	
Max BHP (psi)	.052*Setting Depth*MW=	7983		
			BOPE Adequate For Drilling And Setting Casing at Depth?	
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	6555	YES	10M BOPE w/rotating head, 5M annular,
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	5365	YES	blind rams & mud cross
			*Can Full Expected Pressure Be Held At Previous Shoe?	
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	7477	YES	OK
Required Casing/BOPE Test Pressure=		9758	psi	
*Max Pressure Allowed @ Previous Casing Shoe=		9600	psi	*Assumes 1psi/ft frac gradient

RECEIVED: September 17, 2013

API Well Number: 43013522950000

43013522950000 Flying Dutchman 3-18C4

Casing Schematic



API Well Number: 43013522950000

Well name:	**43013522950000 Flying Dutchman 3-18C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Conductor
Project ID:	43-013-52295
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.000 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 208 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 280 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 520 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 82 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: Surface

Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	600	13.375	54.50	J-55	ST&C	600	600	12.49	7441

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	280	1130	4.030	280	2730	9.74	32.7	514	15.73 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 600 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013522950000 Flying Dutchman 3-18C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Surface
Project ID:	43-013-52295
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 9.900 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 1,950 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 2,500 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.70 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on air weight.
Neutral point: 2,132 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 100 ft

Cement top: Surface

Non-directional string.

Re subsequent strings:
Next setting depth: 9,000 ft
Next mud weight: 10.500 ppg
Next setting BHP: 4,909 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,500 ft
Injection pressure: 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	2500	9.625	40.00	N-80	LT&C	2500	2500	8.75	31808

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	1286	3090	2.404	2500	5750	2.30	100	737	7.37 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2500 ft, a mud weight of 9.9 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

API Well Number: 43013522950000

Well name:	**43013522950000 Flying Dutchman 3-18C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Intermediate
Project ID:	43-013-52295
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 10.300 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 5,357 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,337 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 7,597 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 200 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 4,469 ft

Non-directional string.

Re subsequent strings:
Next setting depth: 11,900 ft
Next mud weight: 12.900 ppg
Next setting BHP: 7,975 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 9,000 ft
Injection pressure: 9,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	9000	7	29.00	HCP-110	LT&C	9000	9000	6.059	101633

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	4816	9200	1.910	7337	11220	1.53	261	797	3.05 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9000 ft, a mud weight of 10.3 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43013522950000 Flying Dutchman 3-18C4**
Operator:	**EP ENERGY E&P COMPANY, L.P.**
String type:	Production Liner
Project ID:	43-013-52295
Location:	DUCHESNE COUNTY

Design parameters:

Collapse
Mud weight: 12.900 ppg
Design is based on evacuated pipe.

Burst
Max anticipated surface pressure: 5,357 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 7,975 psi

No backup mud specified.

Minimum design factors:

Collapse:
Design factor 1.125

Burst:
Design factor 1.00

Tension:
8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.60 (B)

Tension is based on air weight.
Neutral point: 11,291 ft

Environment:
H2S considered? No
Surface temperature: 74 °F
Bottom hole temperature: 241 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,000 ft

Cement top: 9,652 ft

Liner top: 8,800 ft
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ($)
1	3100	5	18.00	HCP-110	LT&C	11900	11900	4.151	22404

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	7975	13470	1.689	7975	13940	1.75	55.8	495	8.87 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Mining
Phone: 801 538-5357
FAX: 801-359-3940
Date: September 9,2013
Salt Lake City, Utah

Remarks:
For this liner string, the top is rounded to the nearest 100 ft.Collapse is based on a vertical depth of 11900 ft, a mud weight of 12.9 ppg The Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

ON-SITE PREDRILL EVALUATION
Utah Division of Oil, Gas and Mining

Operator EP ENERGY E&P COMPANY, L.P.
Well Name Flying Dutchman 3-18C4
API Number 43013522950000 **APD No** 8270 **Field/Unit** ALTAMONT
Location: 1/4,1/4 NESE **Sec** 18 **Tw** 3.0S **Rng** 4.0W 1600 FSL 980 FEL
GPS Coord (UTM) 553297 4452081 **Surface Owner** Diane Drain

Participants

Heather Ivie (E&P Land Agency person); Wayne Garner (E&P Energy Representative); Dennis Ingram (Utah Division of Oil, Gas & Mining)

Regional/Local Setting & Topography

The proposed Flying Dutchman 3-18C4 is located in northeastern Utah, approximately 4.03 miles north of Duchesne along US Highway 87, then east on tow-track dirt road another 0.87 miles where the new access road will lead south into well site. This project is located along the northern reached of Blue Bench, which is a nearly flat bench that slopes gently to the south toward the Duchesne River Drainage some four miles to the south. Blue Bench was utilized at one time as an alfalfa producing cropland and irrigated, but has since transformed into an arid, dry habitat with scattered sagebrush or weeds. Development to the south is mostly a residential trailer house type community.

Surface Use Plan

Current Surface Use
Recreational
Residential

New Road Miles	Well Pad	Src Const Material	Surface Formation
0.16	**Width** 342 **Length** 425	Onsite	UNTA

Ancillary Facilities N

Waste Management Plan Adequate? Y

Environmental Parameters

Affected Floodplains and/or Wetlands N

Flora / Fauna

Sagebrush, prickly pear cactus, some grasses, mostly weeds;

horned toad, rabbit, coyote, fox, potential mule deer over winter, song birds and birds of prey native to region, no perching areas nearby.

Soil Type and Characteristics

Reddish, fine-grained sandy load with little to no clays present

Erosion Issues Y

Wind and rain

RECEIVED: September 18, 2013

API Well Number: 43013522950000

Sedimentation Issues Y

Weather related, on slopes only, surface nearly flat

Site Stability Issues N

Drainage Diverson Required? N

Berm Required? Y

Erosion Sedimentation Control Required? N

Paleo Survey Run? N **Paleo Potental Observed?** N **Cultural Survey Run?** N **Cultural Resources?** N

Reserve Pit

Site-Specific Factors		Site Ranking
Distance to Groundwater (feet)	>200	0
Distance to Surface Water (feet)	>1000	0
Dist. Nearest Municipal Well (ft)	>5280	0
Distance to Other Wells (feet)	>1320	0
Native Soil Type	High permeability	20
Fluid Type	Fresh Water	5
Drill Cuttings	Normal Rock	0
Annual Precipitation (inches)		0
Affected Populations		
Presence Nearby Utility Conduits	Not Present	0
	Final Score	25 1 Sensitivity Level

Characteristics / Requirements

Proposed reserve pit along the western side of location and measuring 110' wide by 150' long by 12' deep and upwind of wellhead.

Closed Loop Mud Required? **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?**

Other Observations / Comments

Surface nearly flat, no drainages noted.

Dennis Ingram	8/20/2013
Evaluator	**Date / Time**

RECEIVED: September 18, 2013

Application for Permit to Drill
Statement of Basis
Utah Division of Oil, Gas and Mining

APD No	API WellNo	Status	Well Type	Surf Owner	CBM
8270	43013522950000	LOCKED	OW	P	No
Operator	EP ENERGY E&P COMPANY, L.P.		**Surface Owner-APD**	Diane Drain	
Well Name	Flying Dutchman 3-18C4		**Unit**		
Field	ALTAMONT		**Type of Work**	DRILL	
Location	NESE 18 3S 4W U 1600 FSL 980 FEL GPS Coord (UTM) 553300E 4452085N				

Geologic Statement of Basis

El Paso proposes to set 600 feet of conductor and 2,500 feet of surface casing both of which will be cemented to surface. The surface and intermediate holes will be drilled utilizing fresh water mud. The estimated depth to the base of moderately saline ground water is 1,300 feet. A search of Division of Water Rights records indicates that there are 22 water wells within a 10,000 foot radius of the center of Section 18. These wells probably produce water from the Duchesne River Formation and associated alluvium. Depths of the wells fall in the range of 35-460 feet. Depth is not listed for 1 well. The wells are listed as being used for irrigation, stock watering, municipal and domestic. Duchesne City has several shallow municipal wells approximately 1.5 miles west of the proposed location. The proposed drilling, casing and cement program should adequately protect the highly used Duchesne River aquifer.

Brad Hill — **APD Evaluator**

9/17/2013 — **Date / Time**

Surface Statement of Basis

A presite meeting was scheduled and performed on August 20, 2013 to address drilling and construction issues to permit the Flying Dutchman 3-18C4. Diane Drain (the landowner of record) was contacted by telephone and invited to the presite meeting but did not attend. However, the landowner and E&P Energy have entered into a surface damage agreement and have provided evidence of that to the Division.

The surface at this proposed well site is nearly flat but dips nearly three feet to the south. There wasn't any drainage or surface water issues found on the presite visit. E&P Energy has requested a reserve pit along the western border of the location that will be cut into blow sand. Therefore, the operator shall install a 20 mil synthetic liner to assure integrity of that pit for drilling fluids use. The reserve pit should be fenced to keep wildlife from entering same. No other issues were noted at the presite meeting.

Dennis Ingram — **Onsite Evaluator**

8/20/2013 — **Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the west side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

RECEIVED: September 18, 2013

Surface	The reserve pit shall be fenced upon completion of drilling operations.

RECEIVED: September 18, 2013

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 7/12/2013 **API NO. ASSIGNED:** 43013522950000

WELL NAME: Flying Dutchman 3-18C4

OPERATOR: EP ENERGY E&P COMPANY, L.P. (N3850) **PHONE NUMBER:** 713 997-5038

CONTACT: Maria S. Gomez

PROPOSED LOCATION: NESE 18 030S 040W **Permit Tech Review:** ☑

SURFACE: 1600 FSL 0980 FEL **Engineering Review:** ☑

BOTTOM: 1600 FSL 0980 FEL **Geology Review:** ☑

COUNTY: DUCHESNE

LATITUDE: 40.21749 **LONGITUDE:** -110.37359

UTM SURF EASTINGS: 553300.00 **NORTHINGS:** 4452085.00

FIELD NAME: ALTAMONT

LEASE TYPE: 4 - Fee

LEASE NUMBER: Fee **PROPOSED PRODUCING FORMATION(S):** GREEN RIVER(LWR)-WASATCH

SURFACE OWNER: 4 - Fee **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** STATE/FEE - 400JU0708
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** Duchesne City
- ☐ **RDCC Review:**
- ☑ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit:

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 139-90

Effective Date: 5/9/2012

Siting: 4 Prod LGRRV-WSTC Wells

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed

Stipulations:
5 - Statement of Basis - bhill
8 - Cement to Surface -- 2 strings - hmacdonald
12 - Cement Volume (3) - hmacdonald

RECEIVED: September 18, 2013

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: Flying Dutchman 3-18C4
API Well Number: 43013522950000
Lease Number: Fee
Surface Owner: FEE (PRIVATE)
Approval Date: 9/18/2013

Issued to:
EP ENERGY E&P COMPANY, L.P., 1001 Louisiana, Houston, TX 77002

Authority:
Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 139-90. The expected producing formation or pool is the GREEN RIVER(LWR)-WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
Cement volumes for the 13 3/8" and 9 5/8" casing strings shall be determined from actual hole diameters in order to place cement from the pipe setting depths back to the surface.

Cement volume for the 7" intermediate string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to 2000' MD as indicated in the submitted drilling plan.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Additional Approvals:
The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website
  at http://oilgas.ogm.utah.gov
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program
  - contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

Contact Information:
The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office
  801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office
  801-231-8956 - after office hours

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

Approved By:

For John Rogers
Associate Director, Oil & Gas

Alexis Huefner< alexishuefner@utah.gov>

EP ENERGY / FLYING DUTCHMAN 3-28C4 / SPUD NOTIFICATION

1 message

LANDRIG009 (Precision 406) < LANDRIG009@epenergy.com> Wed, Nov 6, 2013 at 10:05 PM

To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>

EP ENERGY

FLYING DUTCHMAN 3-18C4

API # 43013522950000

ALTAMONT FIELD

DUCHESNE COUNTY

1600 FSL 980 FEL
NESE 18 3S 4W

(10-31-13) SPUDDED WELL @ 8:00 AM. LEON ROSS DRILLING BUCKET RIG SET 40' OF 20" CONDUCTOR

(11-2-13) LR DRILLING RIG #33 DRILLED 17 1/2" HOLE T/ 630' GL. RAN 13 JOINTS (600') OF 13-3/8" 54.5# J-55 STC CASING. LANDED FS AT 594' GL. PROPETRO CEMENTED W/ 675 SKS (142 BBL) 15.8 PPG 1.15 YIELD CL G CMT + ¼ PPS FLOCELLE + 2% CACL. DISPLACED W/ 84 BBL FW. BUMPED PLUG T/ 500 PSI. FLOATS HELD. HAD 34 BBLS OF CMT RETURNED T/ SURFACE. CEMENT DID NOT FALL BACK. RD PROPETRO & LEON ROSS DRILLING.

Thanks,

Roy Derden

EP Energy / PD 406

713-992-1220 (Rig)

903-229-2878 (Cell)

CONFIDENTIAL

NESE S-18 T03S R04W

EP ENERGY / FLYING DUTCHMAN 3-28C4 / SPUD NOTIFICATION

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com> Wed, Nov 6, 2013 at 10:05 PM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>, "Gaydos, Tommy L" <Tommy.Gaydos@epenergy.com>

EP ENERGY

FLYING DUTCHMAN 3-18C4

API # 43013522950000

ALTAMONT FIELD

DUCHESNE COUNTY

(10-31-13) SPUDDED WELL @ 8:00 AM. LEON ROSS DRILLING BUCKET RIG SET 40' OF 20" CONDUCTOR

(11-2-13) LR DRILLING RIG #33 DRILLED 17 1/2" HOLE T/ 630' GL. RAN 13 JOINTS (600') OF 13-3/8" 54.5# J-55 STC CASING. LANDED FS AT 594' GL. PROPETRO CEMENTED W/ 675 SKS (142 BBL) 15.8 PPG 1.15 YIELD CL G CMT + ¼ PPS FLOCELLE + 2% CACL. DISPLACED W/ 84 BBL FW. BUMPED PLUG T/ 500 PSI. FLOATS HELD. HAD 34 BBLS OF CMT RETURNED T/ SURFACE. CEMENT DID NOT FALL BACK. RD PROPETRO & LEON ROSS DRILLING.

Thanks,

Roy Derden

EP Energy / PD 406

713-992-1220 (Rig)

903-229-2878 (Cell)

CONFIDENTIAL

NESE S-18 T03S R04W

EP Energy / Flying Dutchman 3-18C4 / API # 43013522950000 / PD 406 / CSG & CMT Notification

LANDRIG009 (Precision 406) <LANDRIG009@epenergy.com> Sun, Dec 1, 2013 at 8:57 AM
To: "alexishuefner@utah.gov" <alexishuefner@utah.gov>, "MacAfee, Bradley D" <Brad.MacAfee@epenergy.com>, "caroldaniels@utah.gov" <caroldaniels@utah.gov>, "dennisingram@utah.gov" <dennisingram@utah.gov>, "Morales, Lisa" <Lisa.Morales@epenergy.com>, "Gomez, Maria S" <Maria.Gomez@epenergy.com>, "Evans, Perry (Contractor)" <Perry.Evans@epenergy.com>

EP ENERGY / RUN & CMT 7" INT CSG

EP ENERGY

FLYING DUTCHMAN 3-18C4

API # 43013522950000

ALTAMONT FIELD

DUCHESNE COUNTY

We TD the 8 3/4" intermediate hole @ 9008' @ 7:00 PM 11-30-13. We are currently running logs and will start running 7" 29# HCP110 csg in a few hours. We anticipate starting cement operations @ 10:00 AM 12-2-13. If any other information is required please contact us @ the numbers below.

Thanks,

Roy Derden / Morgan Harden

EP Energy / PD 406

713-997-1220 (Rig)

903-229-2878 (Cell)

CONFIDENTIAL

EP ENERGY / RUN & CMT 5" PROD LINER

EP ENERGY
FLYING DUTCHMAN 3-18C4 NESE Sec 18 T03S R 04W
API # 43013522950000
ALTAMONT FIELD
DUCHESNE COUNTY

We reached TD on the 6 1/8" production hole @ 11610' @ 11:30 AM 12-6-13. We are currently running a 5" 18# HCP110 liner. We anticipate starting cement operations @ 2:00 PM 12-8-13. If any other information is required please contact us @ the numbers below.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013522950000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 **PHONE NUMBER:** 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/8/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Initial Completion

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached initial completion into the Wasatch. Thanks,

Approved by the Utah Division of Oil, Gas and Mining

Date: January 07, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 1/7/2014

RECEIVED: Jan. 07, 2014

Flying Dutchman 3-18C4
Initial Completion
43-013-52295

The following precautions will be taken until the RCA for the Conover is completed:

1. Review torque turning and running of the 7" and 5" liner of anomalies.

2. Test and chart casing for 30 minutes, noting pressure if any on surface casing.

3. Test all lubricators, valves and BOP's to working pressure.

4. Wellhead isolation tools will continue to be used to isolate the wellhead during the frac.

5. Monitor the surface casing during frac:

    a. Lay a flowline to the flow back tank and keep the valve open.

    b. This line will remain in place until a wire line set retrievable packer is in place isolating the 5" casing from the 7" after the frac.

6. 2 7/8” tubing will be run to isolate the 7” casing during the flow back of the well.

7. Well pressure and annulus pressure would be monitored during this time until the well is ready for pump.

Completion Information (Wasatch Formation)

Stage 1: RU WL unit with 10K lubricator and test to 10000 psi with glycol. Perforations from ~10,982’ – 11,437’ with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~150,000# Powerprop 20/40.

Stage 2: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~10,956’. Tag CBP. Perforations from ~10,590’ – 10,946’ with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~150,000# Powerprop 20/40.

Stage 3: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~10,570’. Tag CBP. Perforations from ~10,319’ – 10,560’ with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~145,000# Powerprop 20/40.

RECEIVED: Jan. 07, 2014

Stage 4: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~12,276'. Tag CBP. Perforations from ~9,988' – 10,266' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~155,000# TLC 20/40.

Stage 5: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~9,964'. Tag CBP. Perforations from ~9,675' – 9,954' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~155,000# TLC 20/40.

Stage 6: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~9,664'. Tag CBP. Perforations from ~9,412' – 9,654' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~145,000# TLC 20/40.

Stage 7: RU 10K lubricator and test to 10000 psi with glycol. Set 10K CBP @ ~9,384'. Tag CBP. Perforations from ~9,097' – 9,374' with ~5000 gallons of 15% HCL acid, ~3000# of 100 mesh sand and ~155,000# TLC 20/40.

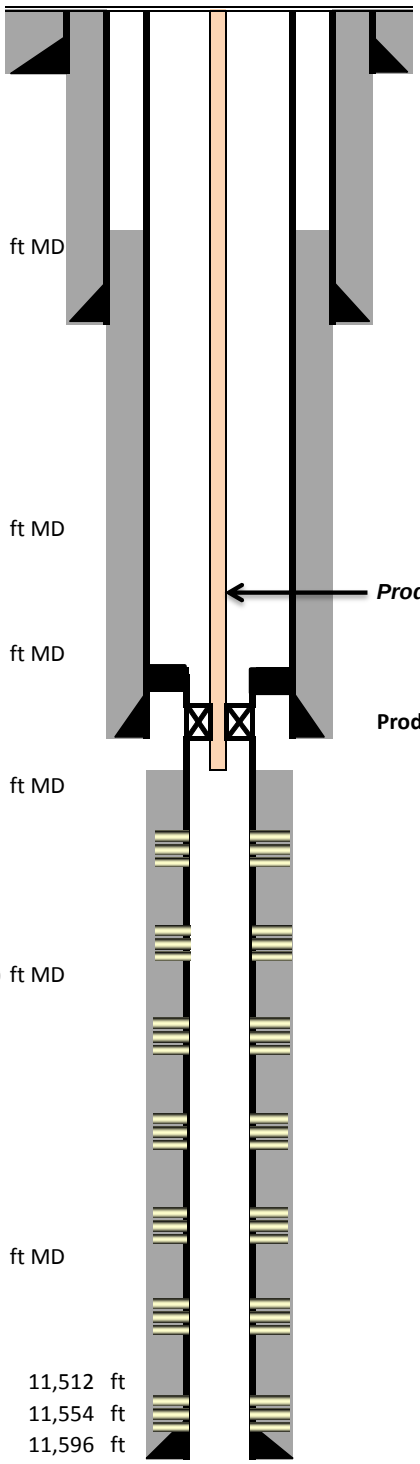
RECEIVED: Jan. 07, 2014

EP ENERGY

Production Wellbore Schematic

Well Name: Flying Dutchman 3-18C4
Company Name: EP Energy
Field, County, State: Altamont, Duchesne, Utah
Surface Location: Lat: 40 0 13' 02.78" N Long: 110 0 22' 24.96" W
Producing Zone(s): Wasatch

Last Updated: 1/6/2014
By: Hudson Webber
TD: 11,596
API: 43-013-52295
AFE: 160820



Surface Casing
13-3/8" 54.5# J-55 STC
592 ft MD

Estimated TOC at: 2,000 ft MD

Intermediate Casing:
9-5/8" 40# N-80 LTC
2,508 ft MD

7" Marker Joint at: 6,182 ft MD

Production Tubing

TOL at: 8,819 ft MD

Production Casing:
7" 29# HCP-110 LTC
9,008 ft MD

Liner TOC at: 8,984 ft MD

Production Packer @ **8830 ft**

Stage 7 Perfs	9,097 -	9,374
Stage 6 Perfs	9,412 -	9,654
Stage 5 Perfs	9,675 -	9,954
Stage 4 Perfs	9,988 -	10,266
Stage 3 Perfs	10,319 -	10,560
Stage 2 Perfs	10,590	10,946
Stage 1 Perfs	10,982 -	11,437
	PBTD:	*11,512*

Liner Marker Joint 1 at: 10,282 (33') ft MD

Liner Marker Joint 2 at: NA ft MD

Production Liner
5" 18# P-110 STL
Btm: 11598 ft MD
Top: 8819 ft MD

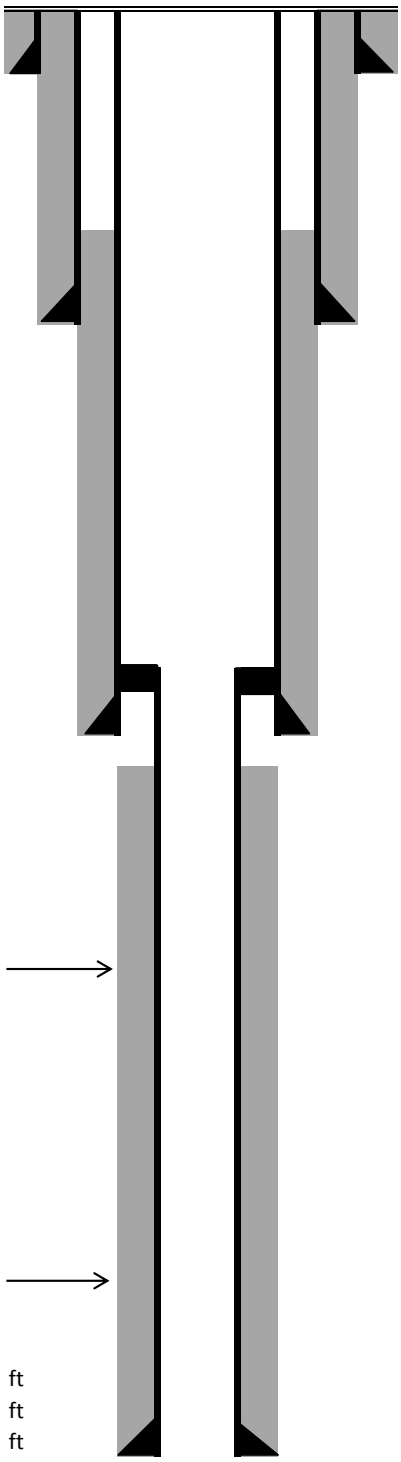
LC at: 11,512 ft
FC at: 11,554 ft
FS at: 11,596 ft

RECEIVED: Jan. 07, 2014

EP ENERGY

Completion Wellbore Schematic

Well Name:	**Flying Dutchman 3-18C4**	**Last Updated:**	*1/6/2014*
Company Name:	*EP Energy*	**By:**	*Hudson Webber*
Field, County, State:	*Altamont, Duchesne, Utah*	**TD:**	*11596*
Surface Location:	*Lat: 40 0 13' 02.78" N Long: 110 0 22' 24.96" W*	**API:**	*43-013-52295*
Producing Zone(s):	*Wasatch*	**AFE:**	*160820*



Surface Casing
13-3/8" 54.5# J-55 STC
592 ft MD

Estimated TOC at: 2,000 ft MD

Intermediate Casing:
9-5/8" 40# N-80 LTC
2,508 ft MD

7" Marker Joint at: 6,182 ft MD

TOL at: 8,819 ft MD

Production Casing:
7" 29# HCP-110 LTC
9,008 ft MD

Liner TOC at: 8,984 ft MD

Liner Marker Joint 1 at: 10,282 (33') ft MD

Liner Marker Joint 2 at: NA ft MD

Production Liner
5" 18# P-110 STL
Btm: 11598 ft MD
Top: 8819 ft MD

LC at: 11,512 ft
FC at: 11,554 ft
FS at: 11,596 ft

RECEIVED: Jan. 07, 2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013522950000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 12/5/2014	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Downsize

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Downsized and deepened pump. See attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 13, 2015

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 2/12/2015

RECEIVED: Feb. 12, 2015

CENTRAL DIVISION

ALTAMONT FIELD
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4
WORKOVER LAND

Operation Summary Report

RECEIVED: Feb. 12, 2015

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	FLYING DUTCHMAN 3-18C4		
Project	ALTAMONT FIELD	**Site**	FLYING DUTCHMAN 3-18C4
Rig Name/No.	COROD RIG/X	**Event**	WORKOVER LAND
Start date	11/25/2014	**End date**	12/6/2014
Spud Date/Time	11/20/2013	**UWI**	FLYING DUTCHMAN 3-18C4
Active datum	KB @5,907.0ft (above Mean Sea Level)		
Afe No./Description	164014/52982 / FLYING DUTCHMAN 3-18C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
11/26/2014	9:00	17:00	8.00	PRDHEQ	42		P		MOVE COROD RIG TO LOCATION & RIG UP. PU ON ROD STRING. PUMP APPEARED TO PULL OFF SEAT @ 32000#. LD POLISH ROD. UNABLE TO FLUSH TBG. PU POLISH ROD. STACK OUT 35' HIGH. POOH W/ COROD, 19 WEIGHT RODS, PULL ROD & TOP OF PUMP. SDFN
12/3/2014	11:00	12:30	1.50	PRDHEQ	18		P		ROAD RIG FROM 1-23C4 TO 3-18C4, MIRU, BLEED OFF CSG
	12:30	17:00	4.50	ELINE	21		P		R/U THE PERFORATORS, RIH PERF TBG, STACK OUT IN WAX @ 2387', HAD 2 HOT OILERS PUMPING 370 BBLS HOT 2% KCL DOWN CSG, FELL THROUGH @ 3234', CONTINUE RIH SHOT 4 HOLES @ 8630', POOH R/D WIRELINE TRUCK
	17:00	18:00	1.00	PMPNG	24		P		FLUSH TBG W/ 60 BBLS HOT 2% KCL, SECURE WELL, SDFN
12/4/2014	6:00	7:00	1.00	PRDHEQ	46		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) PINCH POINTS
	7:00	8:30	1.50	PRDHEQ	18		P		N/D B-FLANGE, N/U 10K X 5K SPOOL & 5K BOP, R/U FLOOR & TONGS, RELEASE 7" TAC @ 8542'
	8:30	10:15	1.75	PRDHEQ	18		P		POOH W/ 68 JTS 2 7/8" TBG, TBG WAS ROD CUT, RUN TBG BACK IN HOLE & SCAN TBG OOH
	10:15	11:00	0.75	PMPNG	24		P		R/U HOTOILER, FLUSH TBG W/ 50 BBLS HOT 2% KCL
	11:00	12:00	1.00	PRDHEQ	18		N		WAIT ON PRS TO SCAN TBG
	12:00	17:30	5.50	PRDHEQ	18		P		R/U PRS, POOH SCANNING TBG W/ 261 JTS 2 7/8", 7" TAC, 4 JTS 2 7/8", R/D PRS, L/D BHA - 5 1/2" PBGA, 2 JTS 2 7/8" & 5 3/4" SOLID NO/GO, STEAM OFF FLOOR, M/U NEW BHA, R/U HYDRO TESTER, SECURE WELL, SDFN
12/5/2014	6:00	7:00	1.00	PRDHEQ	46		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) HYDRO TEST TBG
	7:00	9:30	2.50	PRDHEQ	18		P		P/U BHA, 2 3/8" BULL PLUG, 2 JTS 2 3/8", 3 1/2" PBGA, 2' X 2 3/8" SUB, RIH HYDRO TESTING TBG W/ 2 3/8" PSN, 6' X 2 3/8" SUB, PICK UP 4 JTS 2 3/8", 5" TAC, 77 JTS 2 3/8"
	9:30	14:30	5.00	PRDHEQ	18		P		X-O TO 2 7/8" TBG & TESTING EQUIPMENT, CONTINUE RIH TESTING YELLOW BAND TBG W/ 238 JTS 2 7/8', R/D HYDRO TESTER

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	14:30	16:15	1.75	PRDHEQ	18		P		P/U 28 NEW JTS 2 7/8" TBG, SET TAC @ 11067', R/D FLOOR & TONGS, N/D 5K BOP & 5K X 10K SPOOL, N/U B-FLANGE, INSTALL 60' OF 3/8" CAP TUBE, R/U FLOW LINES, SECURE WELL
	16:15	17:30	1.25	PRDHEQ	18		P		R/D RIG MOVE AHEAD, STEAM OFF WELLHEAD, SDFN
12/6/2014	6:00	7:00	1.00	PRDHEQ	18		P		CREW TRAVEL HSM WRITE & REVIEW JSA (TOPIC) RIGGING UP
	7:00	8:00	1.00	PRDHEQ	41		P		MIRU CO-ROD RIG, SPOT IN EQUIPMENT
	8:00	15:00	7.00	PRDHEQ	42		P		P/U 2" X 1 1/4" X 38' PUMP, P/U 1 K-BAR, ON/OFF TOOL, RIH W/ 1400' OF 16/16 CO-ROD, SPLICE ON NEW 14/16 CO-ROD, RUN 1775', CONTINUE RIH W/ 4691' # 4, 1500' # 5, 922' # 6, 800' # 7, WELD 1" PIN ONTO CO-ROD, SPACE OUT W/ 1-6', 1-4', 2-2' X 1" PONY SUBS, P/U POLISH ROD SEAT PUMP @ 11203'
	15:00	16:00	1.00	PMPNG	34		P		FILL TBG W/ 20 BBLS 2% KCL, STROKE TEST TO 1000 PSI, PUMP 20 BBLS ACROSS FLOW LINE
	16:00	17:00	1.00	PRDHEQ	18		P		R/D CO-ROD RIG, SLIDE IN ROTA FLEX, HANG OFF RODS, TWOTO

Table of Contents

API Well Number: 43013522950000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352295

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1600 FSL & 980 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1600 FSL & 980 FEL
AT TOTAL DEPTH: 1600 FSL & 980 FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESE 18 3S 4W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 11/13/2013

15. DATE T.D. REACHED: 12/6/2013

16. DATE COMPLETED: 1/13/2014 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5890

18. TOTAL DEPTH: MD 11,610 TVD 11,598

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Sonic, Gamma Ray, Resistivity & Neutron Density

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☐ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
17.5	13.375 J55	54.5	0	596		G 675	776	0	
12.25	9.625 N80	40	0	2,507		Prem 565	1,327	600	
8.75	7 P110	29	0	9,000		Stand 435	1,232	2000	
6.125	5 P110	18	8,818	11,610		G 170	250	8818	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	8,756	8,736						

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	8,918	11,437	8,909	11,425
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
10,982 11,437	.43	69	Open ☑ Squeezed ☐
10,590 10,946	.43	69	Open ☑ Squeezed ☐
10,319 10,560	.43	69	Open ☑ Squeezed ☐
9,988 10,266	.43	69	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

WAS WELL HYDRAULICALLY FRACTURED? YES ☑ NO ☐ IF YES -- DATE FRACTURED: 1/12/2014

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
10982-11437	5000 gal 15% HCL acid, 150720# PowerProp
10590-10946	5000 gal 15% HCL acid, 3000# 100 mesh, 150080# PowerProp
10319-10560	5000 gal 15% HCL acid, 3000# 100 mesh, 144850# PowerProp

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☑ OTHER: Deviation Rpt

30. WELL STATUS: Prod

(5/2013) **(CONTINUED ON BACK)**

RECEIVED: Feb. 11, 2014

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
1/14/2014	2/1/2014	24		495	554	344	FL

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
16	1,465	0	45.00		1		495	554	344	Prod

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
Upper Green River	4,125
Middle Green River	5,686
Lower Green River	7,041
Wasatch	8,918

35. ADDITIONAL REMARKS (Include plugging procedure)

All logs are submitted to UDOGM by vendor. For #27 & #28 please see attachment for further information.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Maria S Gomez TITLE Principal Regulatory Analyst

SIGNATURE Maria S. Gomez DATE 2/11/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2013)

RECEIVED: Feb. 11, 2014

Attachment to Well Completion Report

Form 8 Dated February 11, 2014

Well Name: Flying Dutchman 3-18C4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom – MD)	Size	No. of Holes	Perf. Status
9675'-9954'	.43	69	Open
9412'-9654'	.43	69	Open
9097'-9374'	.43	69	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
9988'-10266'	5000 gal acid, 3000# 100 mesh, 154900# 20/40 Tempered LC
9675'-9954'	5000 gal acid, 3000# 100 mesh, 155340# 20/40 Tempered LC
9412'-9654'	5000 gal acid, 3000# 100 mesh, 145260# 20/40 Tempered LC
9097'-9374'	5000 gal acid, 3900# 100 mesh, 156100# 20/40 Tempered LC

RECEIVED: Feb. 11, 2014

CENTRAL DIVISION

ALTAMONT FIELD
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4

Deviation Summary Report

RECEIVED: Feb. 11, 2014

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	FLYING DUTCHMAN 3-18C4	Wellbore No.	OH
Wellbore Legal Name	FLYING DUTCHMAN 3-18C4	Common Wellbore Name	FLYING DUTCHMAN 3-18C4
Project	ALTAMONT FIELD	Site	FLYING DUTCHMAN 3-18C4
Vertical Section Azimuth		North Reference	True
Origin N/S		Origin E/W	
Spud Date/Time	11/20/2013	UWI	FLYING DUTCHMAN 3-18C4
Active Datum	KB @5,907.0ft (above Mean Sea Level)		

2 Survey Name

2.1 Survey Name: Survey #1

Survey Name	Survey #1	Company	PRECISION DRILLING COMPANY LP
Started	11/20/2013	Ended	11/22/2013
Tool Name	GMS	Engineer	El Paso

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.0	0.00	0.00	0.0	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
11/20/2013	Tie On	0.0	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/21/2013	NORMAL	100.0	0.41	89.97	100.0	0.00	0.36	0.00	0.41	0.41	0.00	89.97
	NORMAL	200.0	0.64	163.34	200.0	-0.54	0.88	-0.54	0.66	0.23	73.36	110.27
	NORMAL	300.0	0.48	220.96	300.0	-1.39	0.76	-1.39	0.56	-0.16	57.62	133.42
	NORMAL	400.0	0.65	172.60	400.0	-2.27	0.56	-2.27	0.49	0.17	-48.36	-95.77
	NORMAL	500.0	0.79	189.29	500.0	-3.51	0.52	-3.51	0.25	0.14	16.69	65.50
	NORMAL	600.0	0.91	181.45	600.0	-4.98	0.39	-4.98	0.17	0.12	-7.84	-47.92
	NORMAL	700.0	1.47	189.07	699.9	-7.03	0.17	-7.03	0.58	0.56	7.62	19.51
	NORMAL	800.0	2.08	209.68	799.9	-9.87	-0.93	-9.87	0.87	0.61	20.61	56.92
	NORMAL	900.0	2.43	201.71	899.8	-13.41	-2.61	-13.41	0.47	0.35	-7.97	-45.85
	NORMAL	1,000.0	3.07	208.30	999.7	-17.74	-4.66	-17.74	0.71	0.64	6.59	29.58
	NORMAL	1,100.0	3.90	214.18	1,099.5	-22.91	-7.84	-22.91	0.91	0.84	5.88	26.09
	NORMAL	1,200.0	4.75	217.91	1,199.2	-28.99	-12.30	-28.99	0.89	0.85	3.73	20.28
	NORMAL	1,283.0	5.44	222.01	1,281.9	-34.62	-17.04	-34.62	0.94	0.83	4.94	29.95

2.2 Survey Name: Survey #2

Survey Name	Survey #2	Company	WEATHERFORD INTERNATIONAL INC (EVI WEATHERFORD)
Started	11/21/2013	Ended	12/1/2013
Tool Name	MWD	Engineer	El Paso

RECEIVED: Feb. 11, 2014

2.2.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
1,283.0	5.43	222.00	1,281.0	-34.61	-17.03

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
11/21/2013	Tie On	1,283.0	5.43	222.00	1,281.0	-34.61	-17.03	-34.61	0.00	0.00	0.00	0.00
11/24/2013	NORMAL	1,293.0	5.93	228.30	1,291.0	-35.31	-17.73	-35.31	7.99	5.00	63.00	54.44
	NORMAL	1,388.0	7.08	235.96	1,385.3	-41.85	-26.25	-41.85	1.51	1.21	8.06	40.89
	NORMAL	1,483.0	9.52	243.28	1,479.3	-48.66	-38.12	-48.66	2.79	2.57	7.71	27.07
	NORMAL	1,580.0	8.85	247.53	1,575.1	-55.12	-52.18	-55.12	0.98	-0.69	4.38	136.73
	NORMAL	1,676.0	7.35	249.97	1,670.1	-60.04	-64.77	-60.04	1.60	-1.56	2.54	168.30
	NORMAL	1,772.0	6.12	249.63	1,765.5	-63.93	-75.34	-63.93	1.28	-1.28	-0.35	-178.31
	NORMAL	1,868.0	5.43	249.44	1,861.0	-67.30	-84.39	-67.30	0.72	-0.72	-0.20	-178.51
	NORMAL	1,964.0	4.26	246.55	1,956.6	-70.32	-91.92	-70.32	1.24	-1.22	-3.01	-169.65
	NORMAL	2,061.0	3.34	247.10	2,053.4	-72.85	-97.82	-72.85	0.95	-0.95	0.57	178.01
	NORMAL	2,157.0	2.40	251.07	2,149.3	-74.59	-102.30	-74.59	1.00	-0.98	4.14	170.04
	NORMAL	2,252.0	1.56	235.22	2,244.3	-75.97	-105.24	-75.97	1.05	-0.88	-16.68	-154.65
	NORMAL	2,348.0	1.64	212.78	2,340.2	-77.88	-107.06	-77.88	0.65	0.08	-23.37	-94.03
	NORMAL	2,455.0	1.39	222.35	2,447.2	-80.12	-108.76	-80.12	0.33	-0.23	8.94	139.37
	NORMAL	2,599.0	1.43	212.95	2,591.1	-82.92	-110.92	-82.92	0.16	0.03	-6.53	-84.91
	NORMAL	2,695.0	1.45	218.93	2,687.1	-84.87	-112.33	-84.87	0.16	0.02	6.23	85.42
	NORMAL	2,791.0	1.73	210.23	2,783.1	-87.07	-113.83	-87.07	0.38	0.29	-9.06	-45.17
	NORMAL	2,887.0	1.87	208.76	2,879.0	-89.69	-115.31	-89.69	0.15	0.15	-1.53	-18.99
11/25/2013	NORMAL	3,079.0	1.90	208.76	3,070.9	-95.23	-118.35	-95.23	0.02	0.02	0.00	0.00
	NORMAL	3,176.0	1.80	206.64	3,167.9	-98.00	-119.81	-98.00	0.12	-0.10	-2.19	-146.67
	NORMAL	3,272.0	0.81	216.16	3,263.8	-99.90	-120.88	-99.90	1.05	-1.03	9.92	172.38
	NORMAL	3,368.0	1.46	9.77	3,359.8	-99.24	-121.07	-99.24	2.31	0.68	160.01	162.96
	NORMAL	3,464.0	1.59	10.43	3,455.8	-96.72	-120.63	-96.72	0.14	0.14	0.69	8.02
	NORMAL	3,561.0	1.14	12.86	3,552.8	-94.46	-120.17	-94.46	0.47	-0.46	2.51	173.88
	NORMAL	3,657.0	1.63	24.94	3,648.7	-92.29	-119.38	-92.29	0.59	0.51	12.58	36.92
	NORMAL	3,754.0	0.83	27.26	3,745.7	-90.41	-118.48	-90.41	0.83	-0.82	2.39	177.60
	NORMAL	3,850.0	1.66	37.40	3,841.7	-88.69	-117.31	-88.69	0.89	0.86	10.56	19.97
	NORMAL	3,947.0	1.30	40.05	3,938.7	-86.73	-115.75	-86.73	0.38	-0.37	2.73	170.56
	NORMAL	4,043.0	1.05	46.03	4,034.6	-85.29	-114.42	-85.29	0.29	-0.26	6.23	156.84
	NORMAL	4,140.0	2.40	49.97	4,131.6	-83.37	-112.22	-83.37	1.40	1.39	4.06	6.99
	NORMAL	4,236.0	1.97	55.16	4,227.5	-81.13	-109.33	-81.13	0.49	-0.45	5.41	157.87
	NORMAL	4,332.0	1.41	68.89	4,323.5	-79.76	-106.87	-79.76	0.72	-0.58	14.30	150.86
	NORMAL	4,429.0	1.79	26.67	4,420.5	-77.98	-105.08	-77.98	1.24	0.39	-43.53	-94.00
	NORMAL	4,525.0	1.17	32.46	4,516.4	-75.81	-103.88	-75.81	0.66	-0.65	6.03	169.32
	NORMAL	4,622.0	1.36	34.77	4,613.4	-74.03	-102.69	-74.03	0.20	0.20	2.38	16.18
	NORMAL	4,718.0	0.59	53.42	4,709.4	-72.80	-101.65	-72.80	0.86	-0.80	19.43	166.75
	NORMAL	4,815.0	1.48	31.48	4,806.4	-71.43	-100.59	-71.43	0.99	0.92	-22.62	-35.24
	NORMAL	4,911.0	0.63	14.99	4,902.4	-69.87	-99.81	-69.87	0.93	-0.89	-17.18	-168.46
	NORMAL	5,007.0	0.03	259.01	4,998.3	-69.36	-99.69	-69.36	0.67	-0.62	-120.81	-177.60
	NORMAL	5,103.0	1.37	18.99	5,094.3	-68.28	-99.35	-68.28	1.44	1.40	124.98	121.05
	NORMAL	5,199.0	0.98	19.44	5,190.3	-66.42	-98.70	-66.42	0.41	-0.41	0.47	178.87
11/26/2013	NORMAL	5,296.0	0.40	60.55	5,287.3	-65.47	-98.13	-65.47	0.75	-0.60	42.38	158.82
	NORMAL	5,392.0	0.51	210.44	5,383.3	-65.68	-98.05	-65.68	0.92	0.11	156.14	163.08
	NORMAL	5,488.0	0.26	357.80	5,479.3	-65.83	-98.28	-65.83	0.77	-0.26	153.50	169.11
	NORMAL	5,585.0	1.00	24.43	5,576.3	-64.84	-97.94	-64.84	0.80	0.76	27.45	35.26
	NORMAL	5,681.0	0.54	24.98	5,672.3	-63.66	-97.40	-63.66	0.48	-0.48	0.57	179.35
	NORMAL	5,776.0	0.19	28.86	5,767.3	-63.12	-97.13	-63.12	0.37	-0.37	4.08	177.90
	NORMAL	5,873.0	0.22	202.02	5,864.3	-63.15	-97.13	-63.15	0.42	0.03	178.52	176.33
	NORMAL	5,969.0	0.45	204.14	5,960.3	-63.67	-97.35	-63.67	0.24	0.24	2.21	4.15
	NORMAL	6,065.0	0.84	195.96	6,056.3	-64.69	-97.70	-64.69	0.42	0.41	-8.52	-17.40

RECEIVED: Feb. 11, 2014

2.2.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
11/26/2013	NORMAL	6,162.0	1.54	177.86	6,153.3	-66.67	-97.84	-66.67	0.81	0.72	-18.66	-37.48
	NORMAL	6,258.0	2.17	177.93	6,249.2	-69.78	-97.73	-69.78	0.66	0.66	0.07	0.24
	NORMAL	6,354.0	0.74	152.09	6,345.2	-72.14	-97.37	-72.14	1.60	-1.49	-26.92	-167.89
	NORMAL	6,451.0	1.05	141.33	6,442.2	-73.39	-96.53	-73.39	0.36	0.32	-11.09	-33.92
	NORMAL	6,547.0	1.38	165.50	6,538.2	-75.20	-95.69	-75.20	0.63	0.34	25.18	69.69
11/27/2013	NORMAL	6,643.0	1.64	173.32	6,634.1	-77.68	-95.24	-77.68	0.34	0.27	8.15	42.35
	NORMAL	6,740.0	2.49	178.35	6,731.1	-81.17	-95.02	-81.17	0.90	0.88	5.19	14.56
	NORMAL	6,836.0	1.49	171.12	6,827.0	-84.48	-94.76	-84.48	1.07	-1.04	-7.53	-169.50
	NORMAL	6,933.0	0.40	185.10	6,924.0	-86.07	-94.60	-86.07	1.14	-1.12	14.41	174.99
	NORMAL	7,029.0	0.30	11.61	7,020.0	-86.15	-94.58	-86.15	0.73	-0.10	-180.72	-177.21
	NORMAL	7,125.0	1.25	17.19	7,116.0	-84.91	-94.22	-84.91	0.99	0.99	5.81	7.34
	NORMAL	7,222.0	2.14	14.19	7,212.9	-82.14	-93.46	-82.14	0.92	0.92	-3.09	-7.19
	NORMAL	7,318.0	0.87	16.15	7,308.9	-79.70	-92.82	-79.70	1.32	-1.32	2.04	178.66
	NORMAL	7,414.0	1.04	35.53	7,404.9	-78.29	-92.11	-78.29	0.38	0.18	20.19	72.16
	NORMAL	7,511.0	1.06	25.90	7,501.9	-76.77	-91.21	-76.77	0.18	0.02	-9.93	-88.36
	NORMAL	7,607.0	0.52	78.28	7,597.9	-75.88	-90.39	-75.88	0.88	-0.56	54.56	150.98
11/28/2013	NORMAL	7,704.0	1.14	151.62	7,694.8	-76.64	-89.50	-76.64	1.14	0.64	75.61	100.03
	NORMAL	7,800.0	1.51	166.79	7,790.8	-78.71	-88.76	-78.71	0.53	0.39	15.80	51.22
	NORMAL	7,896.0	1.01	157.19	7,886.8	-80.73	-88.14	-80.73	0.56	-0.52	-10.00	-161.86
	NORMAL	7,993.0	1.13	186.87	7,983.8	-82.46	-87.92	-82.46	0.58	0.12	30.60	92.89
	NORMAL	8,089.0	1.81	185.62	8,079.7	-84.91	-88.19	-84.91	0.71	0.71	-1.30	-3.32
	NORMAL	8,185.0	1.65	193.44	8,175.7	-87.77	-88.66	-87.77	0.30	-0.17	8.15	127.99
	NORMAL	8,282.0	1.49	209.42	8,272.7	-90.22	-89.60	-90.22	0.48	-0.16	16.47	117.94
	NORMAL	8,379.0	2.13	202.12	8,369.6	-92.99	-90.90	-92.99	0.70	0.66	-7.53	-23.49
11/29/2013	NORMAL	8,475.0	1.94	192.49	8,465.6	-96.23	-91.92	-96.23	0.41	-0.20	-10.03	-123.81
	NORMAL	8,571.0	1.69	188.87	8,561.5	-99.21	-92.49	-99.21	0.29	-0.26	-3.77	-157.16
	NORMAL	8,667.0	0.25	320.24	8,657.5	-100.45	-92.84	-100.45	1.94	-1.50	136.84	174.22
	NORMAL	8,763.0	0.50	82.24	8,753.5	-100.23	-92.56	-100.23	0.69	0.26	127.08	140.53

2.3 Survey Name: Survey #3

Survey Name	Survey #3	**Company**	PRECISION DRILLING COMPANY LP
Started	12/4/2013	**Ended**	
Tool Name	INC	**Engineer**	El Paso

2.3.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
8,763.0	0.50	82.24	8,753.5	-100.23	-92.56

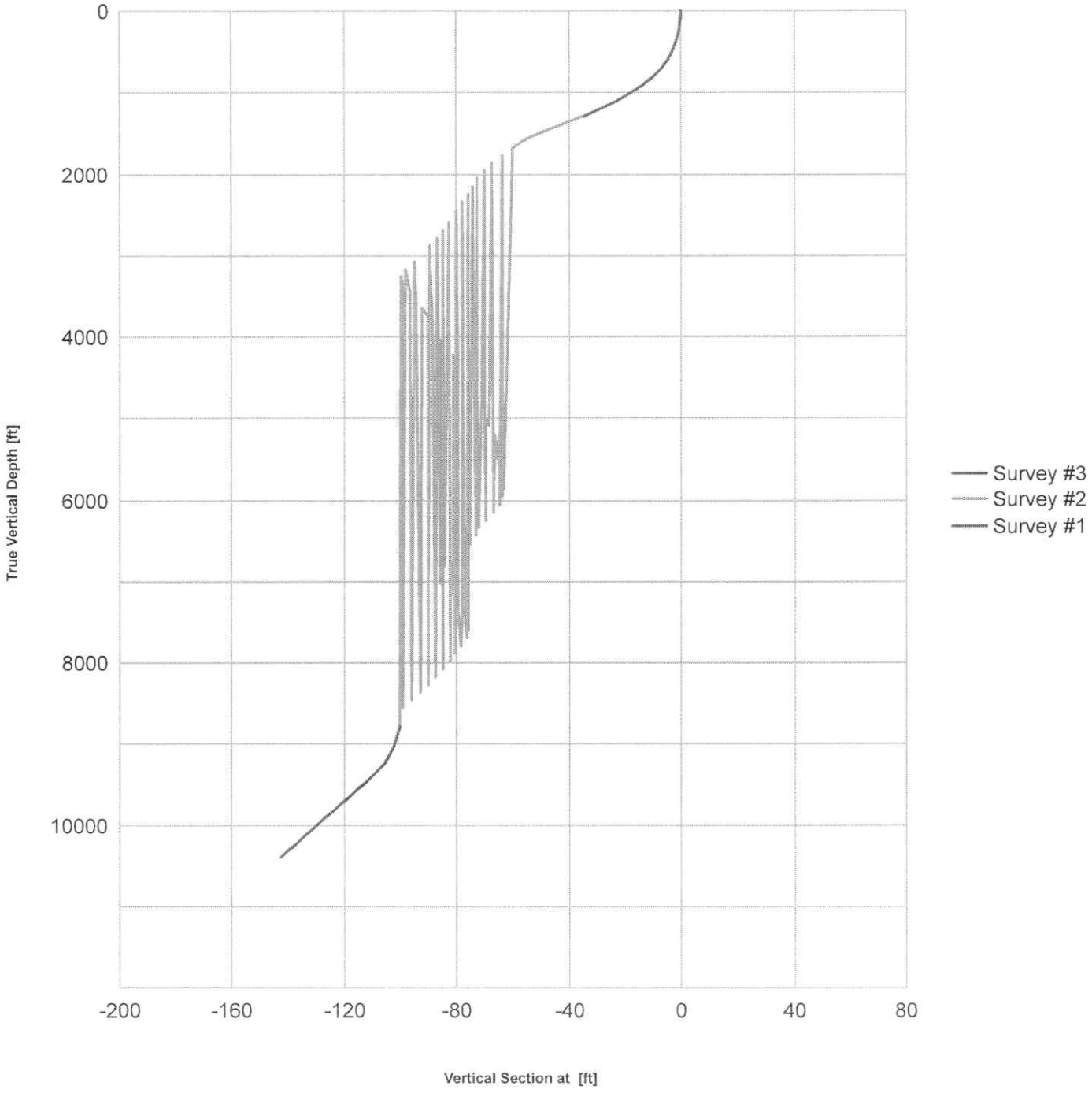
2.3.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
12/4/2013	Tie On	8,763.0	0.50	82.24	8,753.5	-100.23	-92.56	-100.23	0.00	0.00	0.00	0.00
12/4/2013	NORMAL	8,800.0	0.41	222.00	8,790.5	-100.31	-92.49	-100.31	2.31	-0.24	377.73	161.95
	NORMAL	9,040.0	0.99	222.00	9,030.5	-102.49	-94.45	-102.49	0.24	0.24	0.00	0.00
	NORMAL	9,240.0	1.62	222.00	9,230.4	-105.88	-97.50	-105.88	0.31	0.31	0.00	0.00
	NORMAL	9,450.0	2.52	222.00	9,440.3	-111.51	-102.58	-111.51	0.43	0.43	0.00	0.00
12/5/2013	NORMAL	9,990.0	2.45	222.00	9,979.8	-128.91	-118.24	-128.91	0.01	-0.01	0.00	180.00
	NORMAL	10,190.0	2.51	222.00	10,179.6	-135.34	-124.03	-135.34	0.03	0.03	0.00	0.00
	NORMAL	10,404.0	2.87	222.00	10,393.4	-142.81	-130.75	-142.81	0.17	0.17	0.00	0.00

RECEIVED: Feb. 11, 2014

3 Charts

3.1 Vertical Section View



RECEIVED: Feb. 11, 2014

3.2 Plan View

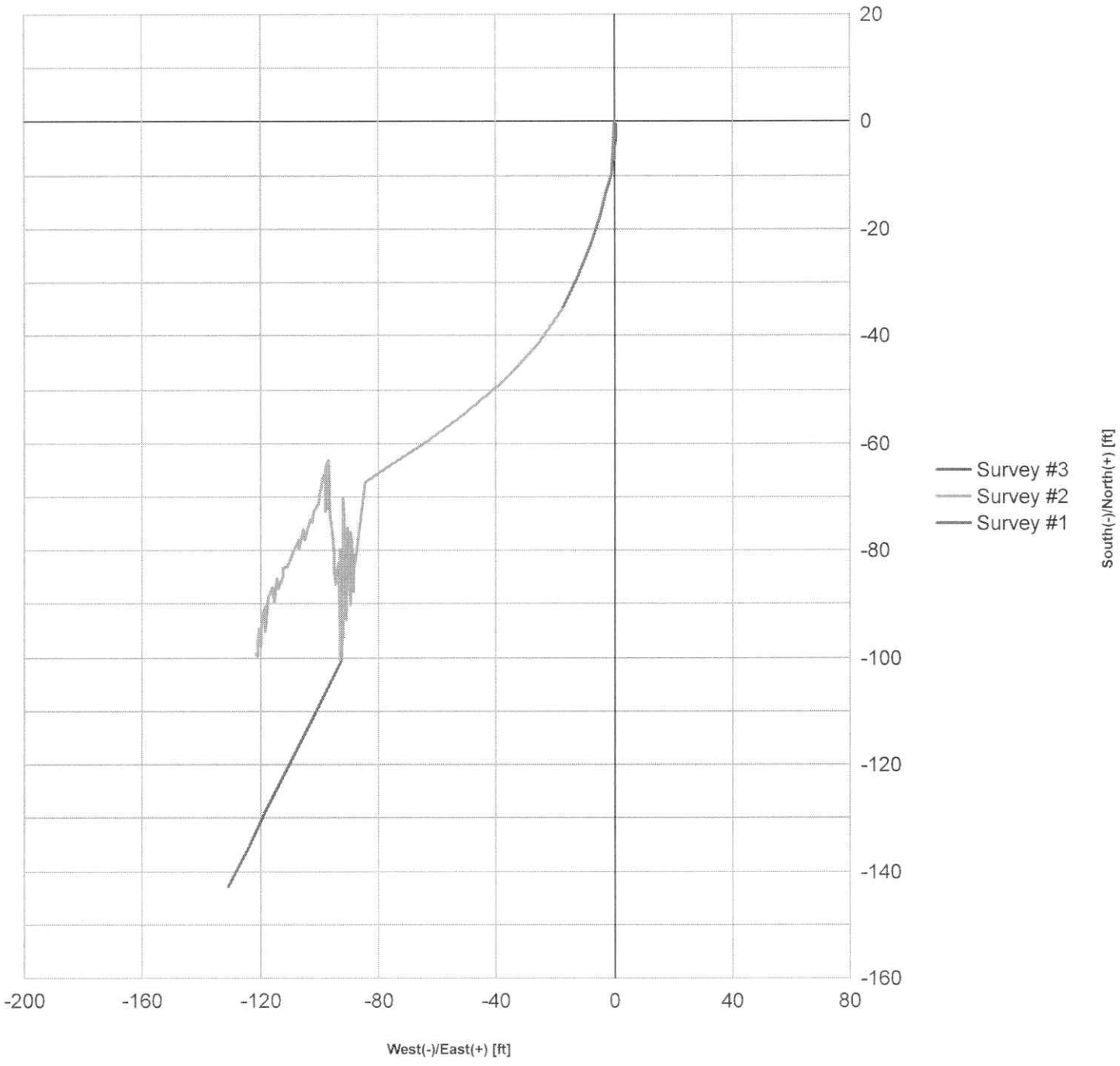

20
0
-20
-40
-60
-80
-100
-120
-140
-160
-200
-160
-120
-80
-40
0
40
80
West(-)/East(+) [ft]
South(-)/North(+) [ft]
Survey #3
Survey #2
Survey #1

Table of Contents

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013522950000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 **PHONE NUMBER:** 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/10/2015	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

EP plans to recomplete to Wasatch/LGR. See attached for details.

Approved by the Utah Division of Oil, Gas and Mining
December 10, 2015
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5038	Principal Regulatory Analyst
SIGNATURE N/A		**DATE** 12/9/2015

RECEIVED: Dec. 09, 2015

Flying Dutchman 3-18C4 Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Set CBP for 5" 18# casing @ 9,090'. Dump bail 10' CMT on plug @ 9,090.
- Set CBP for 5" 18# casing @ 9,060'. Dump bail 50' sand on CBP @ 9,060'.
- Stage 1:
  - Perforate new UW/LGR interval from **8,850' – 9,000'.**
  - Prop Frac Perforations with **80,000** lbs 30/50 prop (w/ **3,000** lbs 100 mesh & **5,000** gals 15% HCl acid) (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 8,435'.
  - Perforate new LGR interval from **8,237' – 8,420'.**
  - Acid Frac Perforations with **18,000** gals 15% HCl acid (Stage 2 Recom).
- Stage 3:
  - RIH w/ 7" CBP & set @ 8,177'.
  - Perforate new LGR interval from **7,940' – 8,162**'.
  - Prop Frac perforations with w/ **115,000** lbs 30/50 prop (w/ **3,000** lbs 100 mesh & **5,000** gals 15% HCl acid) (Stage 3 Recom)
- Clean out well drilling up (2) 7" CBP leaving 30' sand on top of 5" CBP @ 9,060'. (PBTD @ 9,030') Top perf BELOW plug @ 9,097'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

RECEIVED: Dec. 09, 2015

EP ENERGY

Current Pumping Schematic

Company Name:	EP Energy	**Last Updated:**	10/13/2015
Well Name:	**Flying Dutchman 3-18C4**	**By:**	Tomova
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	11,595'
Surface Location:	Lat: 40°13'02.78137" N Long: 110°22'24.95566" W	**BHL:**	
Producing Zone(s):	Green River, Wasatch	**Elevation:**	

API # 43013522950000

13-3/8" 54.5# J-55 STC @591' MD

265 Jts 2-7/8" 6.5# N-80 8rd Tubing

9-5/8" 40# N-80 LTC @ 2,508' MD

TOC @ 2,890'
Good CMT @ 6,150'

Rod Detail @ 4.3 SPM
1-1/2" x 40' Polished Rod
802' - 17/16" CoRod
926' - 16/16" CoRod
1,508' - 15/16" CoRod
6,499' - 14/16" CoRod
1,400' - 16/16" CoRod
ON/OFF TOOL
Shear Coupling
7/8" Stabilizer Sub w/ 3/4" Pins
2"X1 1/4"X38' 60 RING PA PLUNGER 1 1/2" FISH NECK, STROKE = 405"

2-7/8" x 2-3/8" Crossover @ 8,700'
~75 jts of 2-3/8" 4.7# N-80 8rd Tubing

TOL @ 8,819'
TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

Initial Completion - Jan'14
Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

5" ARROW SET PKR w/ no elements
(due to dev) @ 11,063'
4 jts 2-3/8" 4.7# N-80 8rd Tubing
6.2 x 2-3/8" pup jt
Seating Nipple @ ~11,204'
4.1' x 2 3/8" Tubing Sub
#2303 DESANDer
2 jt 2-3/8" Mud Anchor
EOT @ ~11,292'

PBTD @ 11,42' - Jan'14
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

RECEIVED: Dec. 09, 2015

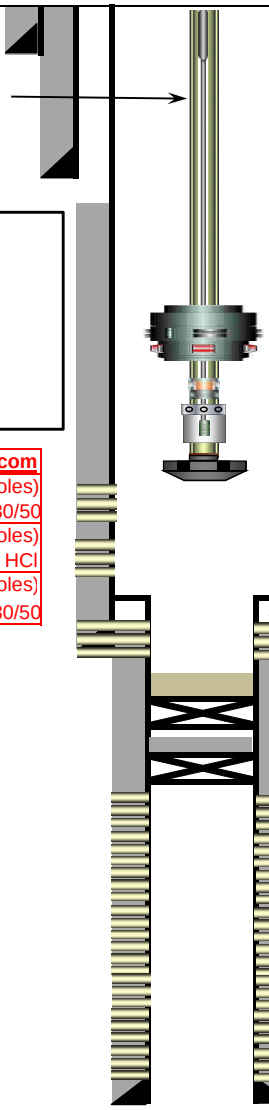
EP ENERGY

Proposed RECOM Pumping Schematic

Company Name: EP Energy
Well Name: Flying Dutchman 3-18C4
Field, County, State: Altamont - Bluebell, Duchesne, Utah
Surface Location: Lat: 40°13'02.78137" N Long: 110°22'24.95566" W
Producing Zone(s): Green River, Wasatch

Last Updated: 12/9/2015
By: Krug/Tomova
TD: 11,595'
BHL:
Elevation:

API # 43013522950000



265 Jts 2-7/8" 6.5# N-80 8rd Tubing

13-3/8" 54.5# J-55 STC @591' MD

9-5/8" 40# N-80 LTC @ 2,508' MD

TOC @ 2,890'
Good CMT @ 6,150'

Rod Detail @ 4.3 SPM
1-1/2" x 40' Polished Rod
916' - 17/16" CoRod
922' - 16/16" CoRod
1,500' - 15/16" CoRod
4,691' - 14/16" CoRod
19 (475') - 1-1/2" Sinker "K" Bars

Tubing Anchor @ 7,675'
4 jts 2-7/8" 6.5# N-80 Tubing
Seating Nipple @ 7,800'
2' x 2 7/8" Tubing Sub
5-1/2" x 33' PBGA Shell
2 jt - 2-7/8" 6.5# N-80 Mud Anchor
Solid Plug
No-Go Nipple/ EOT @ 7,900'

Dec '15 Recom

STG 3: 7,940' - 8,162' (23'/69 holes)
5,000 gals HCl + 3,000 lbs 100M + 115,000 lbs 30/50
STG 2: 8,237' - 8,420' (21'/63 holes)
18,000 gals HCl
STG 1: 8,850' - 9,000' (23'/69 holes)
5,000 gals HCl + 3,000 lbs 100M + 80,000 lbs 30/50

TOL @ 8,819'
TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

CBP @ 9,060' w/ 50' sand
CBL @ 9,090' w/ 10' CMT

Initial Completion - Jan'14

Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

PBTD @ 11,422' - 5/19/2015
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

RECEIVED: Dec. 09, 2015

Sundry Number: 69768 API Well Number: 43013522950000

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECOMPLETION

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352295

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1600' FSL & 980' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1600' FSL & 980' FEL
AT TOTAL DEPTH: 1600' FSL & 980' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 9 3S 4W U

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 11/13/2013

15. DATE T.D. REACHED: 12/6/2013

16. DATE COMPLETED: 12/24/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5890

18. TOTAL DEPTH: MD 11,610 TVD 11,599

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Submitted with Initial Completion

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
		Submitted							
		with							
		Initial							
		Completion							

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	7,897							

26. PRODUCING INTERVALS / **27. PERFORATION RECORD**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	8,918	11,610	8,909	11,599	8,850 – 9,000		69	Open ☑ Squeezed ☐
(B) LGR	7,670	8,918	7,662	8,909	8,237 – 8,420		63	Open ☑ Squeezed ☐
(C)					7,944 – 8,162		69	Open ☑ Squeezed ☐
(D)								Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8850-9000	10000 gals 15% HCL Acid, 3200# 100 Mesh, 39500# 30/50 PW
8237-8420	18000 gals 15% HCL Acid
7944-8162	5000 gals 15% HCL Acid, 2960# 100 Mesh, 145500# 30/50 PW

29. ENCLOSED ATTACHMENTS: CBP's @ 9084' w/ 10' cmt on top & 9060' with 50' sand on top

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: Prod

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Feb. 10, 2016

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
12/21/2015	12/26/2015	24		163	56	473	Rod Pump

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
0	81	69	42.00	1,319	0		163	56	473	Prod

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				UGR	4,125
				MGR	5,686
				LGR	7,041
				Wasatch	8,918

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Maria S. Gomez TITLE Principal Regulatory Analyst

SIGNATURE _____ DATE 3/10/2016

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Feb. 10, 2016

CENTRAL DIVISION

ALTAMONT FIELD
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Feb. 10, 2016

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	FLYING DUTCHMAN 3-18C4		
Project	ALTAMONT FIELD	**Site**	FLYING DUTCHMAN 3-18C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	12/10/2015	**End date**	12/26/2015
Spud Date/Time	11/20/2013	**UWI**	FLYING DUTCHMAN 3-18C4
Active datum	KB @5,907.0ft (above Mean Sea Level)		
Afe No./Description	165976/55687 / FLYING DUTCHMAN 3-18C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
12/11/2015	11:00	11:30	0.50	MIRU	28		P		TGSM & JSA (CO ROD OPERATIONS)
	11:30	12:30	1.00	MIRU	01		P		SLIDE UNIT, MIRU CO ROD UNIT.
	12:30	15:30	3.00	PRDHEQ	39		P		WORK PUMP OFF SEAT, FLUSH RODS AND TUBING W/ 65 BBLS, LAY DOWN P ROD AND SUBS. RU CO ROD IN GRIPPERS SOOH GET CO ROD THROUGH SHOOT AND GRIPPERS BEGIN TO SLIP, CLAMP CO ROD RD WAIT ON CO ROD RIG.
	15:30	17:30	2.00	MIRU	01		N		MIRU 2ND CO ROD RIG, RU GRIPPERS, GRIPPERS SLIPPING, CLEAN CO ROD AND GRIPPERS, POOH W/ 802' 17/16", 225' 16/16 (CO ROD KEPT WORKING OUT OF GRIPPERS) CUT CO ROD, RD WAIT ON CO ROD RIG
	17:30	20:00	2.50	MIRU	01		N		MIRU CO ROD, RU GRIPPERS.
	20:00	23:00	3.00	PRDHEQ	39		P		COOH W/ 701'-16/16" SE CO ROD 1508'-15/16" SE COROD 6499'-14/16" SE CO ROD 1400'-16/16" SE COROD ON/OFF TOOL, SHEAR SUB SHEARED. RDMO CO ROD RIG WATER LOSS FOR DAY 202 BBLS
12/12/2015	6:30	7:30	1.00	WOR	28		P		TGSM JSA SCAN TBG
	7:30	15:30	8.00	WOR	16		P		BLEED DOWN WELL, N/D WELL HEAD, N/U BOP, RELEASE 5" ARROW SET PKR, LAND DONUT TEST 5K, BLEED OFF, POOH SCAN TBG, 266 JTS 2-7/8", X/O, 75 JTS 2-3/8", 5" ARROW SET PKR, 4 JTS 2-3/8", 6' X 2-3/8" PUP, PSN, 4' X 2-3/8" PUP, DESANDER, 2 JT 2-3/8" TBG, BULL PLUG (325 YELLOW) (20 BLUE)
12/13/2015	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY
12/14/2015	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY
12/15/2015	6:30	7:30	1.00	WOR	28		P		TGSM JSA WIRELINE CAUTIONS

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	7:30	19:30	12.00	WOR	26		P		R/U WIRELINE, RIH W/ 7" GAUGE TOP LT @ 8819, POOH , RIH W/ 5" GAUGE DOWN 9095', POOH, RIH SET 5" 18# PLUG @ 9084', POOH FILL CSG W/ 225 BBLS, TEST CSG 2300 PSI, RIH DUMP BAIL 10' CEMENT TOP PLUG, RIH SET 2ND CBP @ 9060' W/ 2300 PSI, POOH WIRELINE, P/U DUMP BAIL, DUMP 50' SAND TOP PLUG, NEW PBTD @ 9010'. RDMOL W/ WIRE LINE. SHUT AND LOCK BLIND RAMS, SHUT AND NIGHT CAP CASING VALVES.
12/16/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (NU AND TESTING PROCEDURES)
	7:30	14:30	7.00	WOR	08		P		ND BOP, NU FRAC VALVE, TEST CASING TO 8000 FOR 15 MINUTES, NU & TEST FRAC STACK TO 9500 PSIG. RU AND TEST WIRE LINE LUBRICATOR.
	14:30	18:00	3.50	STG01	21		P		RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120* PHASING. PERFORATE 9,000' TO 8,850' W/ 1000 PSIG SURFACE PRESSURE NO CHANGES. POOH RD WIRE LINE, WINTERIZE WELL HEAD. SHUT AND LOCK HCR VALVES, SHUT AND NIGHT CAP CASING VALVES.
12/17/2015	8:00	8:30	0.50	MIRU	28		P		TGSM & JSA (RU FRAC EQUIPMENT)
	8:30	17:00	8.50	MIRU	01		P		MIRU FRAC EQUIPMENT
12/18/2015	6:00	6:30	0.50	STG01	28		P		TGSM & JSA (FRAC OPERATIONS)
	6:30	7:30	1.00	STG01	18		P		PRESSURE TEST, DISCOVERED NIPPLEON SURFACE CASING FROZE AND BROKEN, THAW SURFACE CASING VALVES REPLACE NIPPLE.
	7:30	8:30	1.00	STG01	35		P		SIP @ 1042 PSIG, BREAK DOWN STAGE 1 PERFS @ 3572 @ 9.4 BPM EST RATE TO 38 BPM @ 6377. ISDP @ 3000, 5/ 2814, 10/ 2722, 15/ 2677. STAGE 1 PERFS PUMP 3200 # 100 MESH IN .5 PPG STAGE & 39,500# 30/50 PW IN .5, 1, 1.75 PPG SCREENED OUT ON 1# W/ 25,800# IN FORMATION.
	8:30	12:00	3.50	STG01	19		P		FLOW BACK 501 BBLS
	12:00	15:00	3.00	STG01	35		P		FLUSH W/ 326 BBLS @ 5 BPM @ AVE PRESSURE OF 5900, PUMP ADDITIONAL 280 BBLS WORKING RATE UP TO 20 BPM PRESSURE DROPPED TO 4800, PUMP 5000 GAL 15% HCL FLUSH 5 OVER BTM PERF. ISDP @ 1800
	15:00	16:00	1.00	STG02	21		P		RIH W/ 3 1/8" GUN W/ 22.7 GM CHARGES, 3 JSPF W/ 120 DEGREE PHASING W/ 7" KLX CBP SET @ 8440', PERFORATE STAGE 2 8420' TO 8286' HAD GUN SHORT OUT
	16:00	17:00	1.00	STG02	21		N		POOH REPAIR GUN, RIH W/ GUN.
	17:00	18:00	1.00	STG02	21		P		CONTINUE PERFORATING 8275' TO 8237'
	18:00	18:30	0.50	STG02	35		P		SIP @ 718 BREAK DOWN STAGE 2 PERFS @ 1528 @ 9.4 BPM EST RATE TO 30 BPM @ 6999.ISDP @ 1259 F.G @ .59 5 MINUTE @ 712 10 @ 605. TREAT STAGE 2 W/ 9000 GAL 15% HCL, DROP 95 BIO BALLS FOR DIVERSION, PUMP ADDITIONAL 9000 GAL 15% HCL, FLUSH 5 OVER BTM PERF. ISDP @ 1095, F.G @ .57 5/ 823 10/ 468 15/ 303. SWI WINTERIZE PUMPS AND FRAC LINES. TOT WIRELINE
	18:30	21:00	2.50	STG03	21		P		RIH W/ 3 1/8" GUN W/ 22.7 GM CHARGES, 3 JSPF W/ 120 DEGREE PHASING W/ 7" KLX CBP SET @ 8177', PERFORATE STAGE 3 8162' TO 7940'. POOH WINTERIZE WELL HEAD, SHUT AND LOCK HCR VALVES.
12/19/2015	6:00	7:30	1.50	STG03	28		P		TGSM & JSA (FRAC OPERATIONS)
	7:30	10:00	2.50	RDMO	02		P		RDMOL W/ WIRE LINE EQUIPMENT. ENSURE FRAC EQUIPMENT AND WELL HEAD THAWED.

RECEIVED: Feb. 10, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	10:00	11:30	1.50	STG03	35		P		PRESSURE TEST EQUIPMENT. SIP @ 42 PSI. BREAK DOWN STAGE 3 PERFS @ 1676 PSI @ 9.9 BPM, TREAT STAGE 3 PERFS W/ 5000 15% HCL FLUSH TO BT PERF ISDP @ 1315 F.G @ .6 5MIN 772 10 MIN @ 487, 15 MIN @ 348. TREAT STAGE 3 PERFS W/ 2960# 100 MESH IN .5 PPG STAGE AND 145,500# 30/50 PW IN .5, 1.75, 2.5# STAGES FLUSH TO TOP PERF. ISDP @ 1899 F.G @ .67, 5 MIN @ 1578, 10 MIN @ 1431, 15 MIN @ 1311. FLUID TO RECOVER 4282 BBLS TO RECOVER.
	11:30	14:30	3.00	RDMO	02		P		RDMOL W/ HALLIBURTON FRAC EQUIPMENT, ND FRAC STACK TO TOP VALVE. NU AND TEST BOP
	14:30	6:00	15.50	FB	23		P		OPEN ON 12/64 CHOKE
12/20/2015	6:00	6:30	0.50	WOR	28		P		TGSM & JSA (PUMP OPERATIONS)
	6:30	9:00	2.50	WOR	18		P		MONITERED WELL FLOWING AND PREPPED LOCTAION TO KILL WELL AND RIH TO DRILL PLUGS.
	9:00	6:00	21.00	FB	23		P		CURRENT PRESSURE 150 PSI ON 34 CHOKE FLOWED 987 BBLS TO FLOW BACK TANKS. CURRENT OIL CUT ESTIMATED AT 25%
12/21/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (RIH W/ TBG)
	7:30	9:30	2.00	WOR	06		P		PUMP 100 BBLS BRINE, LET SET FOR 20 MINUTES,, BLEED OF GAS, PUMP ADDITIONAL 50 BBLS.
	9:30	13:00	3.50	WOR	40		P		RIH W/ 6" BIT, BIT SUB, RIH W/ 251 JTS 2 7/8" 8RD, TAG @ 8175'. RU POWER SWIVEL, CIRCULATE WELL CLEAN, WASH 10' SAND TAG CBP @ 8185'. DRILL UP CBP.CIRCULTAE CLEAN.
	13:00	18:30	5.50	WOR	40		P		CIH W/ 8 JTS TAG @ 8435' BREAK CIRCULATION. DRILL UP CBP. CIRCULATE WELL CLEAN PULL ABOVE PERFS. SHUT AND LOCK PIPE RAMS, SHUT AND NIGHT CAP CASING VALVES, INSTALL TIW W/ NIGHT CAP.
12/22/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POWER SWIVEL OPERATIONS)
	7:30	9:30	2.00	WOR	39		P		TSIP & CSIP @ 100 PSI BD CASING PUMP 20 BBLS DOWN TBG, RIH W/ 6 JTS KINKED DRILL LINE.
	9:30	14:30	5.00	WOR	18		P		WAIT ON AND REPLACE DRILL LINE.
	14:30	18:30	4.00	WOR	40		P		CIH TAG LINER TOP W/ JT# 266 @ 8828' SLM. RU POWER SWIVEL, DRILL UP PLUG REMAINS, CIRCULATE WELL CLEAN. SOOH W/ TUBING. SHUT AND LOCK PIPE RAMS, INSTALL TIW W/ NIGHT CAP. OPEN ON 64/64 CHOKE @ 100 PSI TOT FLOW BACK CREW.
	18:30	6:00	11.50	FB	23		P		FLOWED 469 BBLS TO FLOW BACK CURRENT PRESSURE 200 ON 24/64 CHOKE
12/23/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PULLING AND RUNNING TUBING)
	7:30	9:30	2.00	WOR	39		P		PUMP 20 BBLS DOWN TUBING COOH W/ TUBING STOP @ 4646 '
	9:30	11:00	1.50	WOR	06		P		CIRCULATE FULL OF BRINE WATER, SHUT IN CASING BULL HEAD ADDITIONAL 50 BBLS. LET SIT FOR 30 MINUTES.
	11:00	12:00	1.00	WOR	39		P		POOH 142 JTS 2 7/8" BIT SUB, & 6" BIT.
	12:00	12:00	0.00	WOR	39		P		PUMU & RIH W/ 4 1/8" BIT, BIT SUB, 10 JTS 2 3/8" 8RD, X/O TO 2 7/8" 8RD, 266 JTS 2 7/8" TAG @ 8992' RU POWER SWIVEL, BREAK CIRCULATION CLEAN OUT TO PBTD @ 9020' CIRCULATE WELL CLEAN, LAY DOWN 27 JTS 2 7/8" COOH W/ 8 JTS 2 7/8" 8RD. EOT @ 7899' SHUT AND LOCK PIPE RAMS, INSTALL TIW W/ NIGHT CAP. OPEN ON 24/64 CHOKE @ 100 PSI TOT FLOW BACK CREW.
12/24/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PU PRODUCTION BHA)
	7:30	11:30	4.00	WOR	39		P		PUMP 20 BBLS DOWN TUBING COOH W/ TUBING STOP @ 4650 '. CIRCULATE FULL OF BRINE WATER, SHUT IN CASING BULL HEAD ADDITIONAL 50 BBLS. LET SIT FOR 30 MINUTES. POOH 132 JTS 2 7/8", X/O, LAY DOWN 10 JTS 2 3/8" 8RD, BIT SUB, & 4 1/8" BIT.

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity	Sub	OP Code	MD from (ft)	Operation
	11:30 18:30	7.00	WOR	39		P		PUMU & RIH W/ 5 3/4" SOLID NOGO, 2 JTS 2 7/8" 8RD, 5 1/2" PBGA, 2' PUP JT, +45 PSN, 4 JTS, 7" KLX TAC, 234 JTS 2 7/8" 8RD, SET TAC TEMPORARY LAND TUBING. ND BOPE AND FRAC VALVE. RE LAND TUBING W/ B FLANGE W/ 25K TENSION, NU B FLANGE, INSTALL 3/8 CAP TUBE. RIG DOWN, RACK OUT PUMP LINES. SWI CREW TRAVEL.
12/25/2015	6:00 7:30	1.50	INARTLT	28		P		CT TGSM & JSA (CO ROD OPERATIONS)
	7:30 8:30	1.00	INARTLT	06		P		FLUSH TUBING W/ 60 BBLS KCL W/ CORROSION INHIBITORS, CHAISE W/ 20 BBLS BRINE WATER.
	8:30 9:00	0.50	MIRU	01		P		MIRU CO ROD EQUIPMENT.
	9:00 15:00	6.00	INARTLT	39		P		PUMU AND RIH W/ 2 1/2" X 1 3/4", X 38' ACCELERATED PUMP, 1400' SE6, 6499' SE 4, CUT, POOH AND CUT OFF 3416'. WELD, CIH W/ 1508 SE5, 701' SE6 MAKE WELD CIH W/ 225' SE6, 802' SE7 SPACE OUT W/ 2-8', 1-6', 2-4', 2-2' AND 1 1/2" X 40' P ROD. FILL W/ 3 BBLS L/S TO 1000 PSIG GOOD TEST W/ GOOD PUMP ACTION. RD SLIDE UNIT NO TAG TOTP.

RECEIVED: Feb. 10, 2016

Table of Contents

RECEIVED: Feb. 10, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013522950000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002

PHONE NUMBER: 713 997-5038 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 4/8/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached procedure along with current and subsequent wellbore diagrams.

Approved by the
Utah Division of
Oil, Gas and Mining
April 05, 2016
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Linda Renken	713 997-5138	Sr. Regulatory Analyst
SIGNATURE N/A		**DATE** 4/1/2016

RECEIVED: Apr. 01, 2016

Flying Dutchman 3-18C4
STG 3 Recom Test State Proc

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Set 7” CBP @ 8,800’. Dump bail 10’ CMT on CBP @ 8,800’.
- Set 7” CBP @ 8,220’. Dump bail 10’ CMT on CBP @ 8,220’.
- RIH w/ production tubing and rods.
- Clean location and resume production.

RECEIVED: Apr. 01, 2016

EP ENERGY

RECOM Pumping Schematic

Company Name:	EP Energy	**Last Updated:**	12/26/2016
Well Name:	Flying Dutchman 3-18C4	**By:**	Krug
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	11,595'
Surface Location:	Lat: 40°13'02.78137" N Long: 110°22'24.95566" W	**BHL:**	
Producing Zone(s):	Green River, Wasatch	**Elevation:**	

API # 43013522950000

265 Jts 2-7/8" 6.5# N-80 8rd Tubing

13-3/8" 54.5# J-55 STC @591' MD

9-5/8" 40# N-80 LTC @ 2,508' MD

TOC @ 2,890'
Good CMT @ 6,150'

Rod Detail @ 4.3 SPM
1-1/2" x 40' Polished Rod
802' - 17/16" CoRod
926' - 16/16" CoRod
1,508' - 15/16" CoRod
3,083' - 14/16" CoRod
1,400' - 16/16" CoRod

Tubing Anchor @ 7,662'
4 jts 2-7/8" 6.5# N-80 Tubing
Seating Nipple @ 7,793'
2' x 2 7/8" Tubing Sub
5-1/2" x 31.5' PBGA Shell
2 jt - 2-7/8" 6.5# N-80 Mud Anchor
Solid Plug
No-Go Nipple/ EOT @ 7,894'

Dec '15 Recom
STG 3: 7,940' - 8,162' (23'/69 holes)
2,500 gals HCl + 2,960 lbs 100M + 145,500 lbs 30/50
STG 2: 8,237' - 8,420' (21'/63 holes)
18,000 gals HCl
STG 1: 8,850' - 9,000' (23'/69 holes)
10,000 gals HCl + 3,200 lbs 100M + 39,500 lbs 30/50

TOL @ 8,819'
TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

CBP @ 9,060' w/ 50' sand
CBL @ 9,090' w/ 10' CMT

Initial Completion - Jan'14

Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

PBTD @ 11,422' - 5/19/2015
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

RECEIVED: Apr. 01, 2016

EP ENERGY

RECOM STG 3 Test Pumping Schematic

Company Name:	*EP Energy*	**Last Updated:**	***3/16/2016***
Well Name:	***Flying Dutchman 3-18C4***	**By:**	*Krug*
Field, County, State:	*Altamont - Bluebell, Duchesne, Utah*	**TD:**	*11,595'*
Surface Location:	*Lat: 40°13'02.78137" N Long: 110°22'24.95566" W*	**BHL:**	
Producing Zone(s):	*Green River, Wasatch*	**Elevation:**	

API # 43013522950000

13-3/8" 54.5# J-55 STC @591' MD

265 Jts 2-7/8" 6.5# N-80 8rd Tubing

9-5/8" 40# N-80 LTC @ 2,508' MD

Rod Detail @ 4.3 SPM
1-1/2" x 40' Polished Rod
802' - 17/16" CoRod
926' - 16/16" CoRod
1,508' - 15/16" CoRod
3,083' - 14/16" CoRod
1,400' - 16/16" CoRod

TOC @ 2,890'
Good CMT @ 6,150'

Tubing Anchor @ 7,662'
4 jts 2-7/8" 6.5# N-80 Tubing
Seating Nipple @ 7,793'
2' x 2 7/8" Tubing Sub
5-1/2" x 31.5' PBGA Shell
2 jt - 2-7/8" 6.5# N-80 Mud Anchor
Solid Plug

Dec '15 Recom
STG 3: 7,940' - 8,162' (23'/69 holes) 2,500 gals HCl + 2,960 lbs 100M + 145,500 lbs 30/50
STG 2: 8,237' - 8,420' (21'/63 holes) 18,000 gals HCl
STG 1: 8,850' - 9,000' (23'/69 holes) 10,000 gals HCl + 3,200 lbs 100M + 39,500 lbs 30/50

CBP @ 8,220' w/ 10' sand

CBP @ 8,800' w/ 10' sand

TOL @ 8,819'

TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

CBP @ 9,060' w/ 50' sand
CBL @ 9,090' w/ 10' CMT

Initial Completion - Jan'14

Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

PBTD @ 11,422' - 5/19/2015
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

RECEIVED: Apr. 01, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Flying Dutchman 3-18C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013522950000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5138 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/25/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached proposed recompletion procedure along with current and post WBD's.

Approved by the Utah Division of Oil, Gas and Mining
July 20, 2016
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Linda Renken	713 997-5138	Sr. Regulatory Analyst
SIGNATURE		**DATE**
N/A		7/20/2016

RECEIVED: Jul. 20, 2016

Flying Dutchman 3-18 C4 Squeeze and Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Test CSG above perfs @ 7,940' – 8,162' w/ tubing and PKR
- Test CBP w/ cmt @ 8,220' w/ tubing and PKR
- Squeeze off perfs @ 7,940' – 8,162' w/ cmt, drill out cmt retainer and cmt and test squeeze to 1,000 psi
- Drill out CBP @ 8,220'
- Squeeze off perfs @ 8,237' – 8,420' w/ cmt, drill out cmt retainer and cmt and test squeeze to 1,000 psi
- Stage 1:
  - Perforate new CP 70 interval from **8,710' – 8,790'.**
  - Acid Frac Perforations with **10,000** gals 15% HCl acid w/ pkr and frac string (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 7,845'.
  - Perforate new LGR interval from **7,760' – 7,830'.**
  - Acid Frac Perforations **9,000** gals 15% HCl acid (Stage 2 Recom).
- Clean out well drilling up (2) 7" CBPs @ 7,845' and 8,800', leaving (2) 5" 10k CBPs w/10' CMT and 50' sand @ 9,090' and 9,060. (PBTD @ 11,422') Top perf BELOW plugs @ 9,097'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

RECEIVED: Jul. 20, 2016

Current WBD

EP ENERGY

RECOM STG 3 Test Pumping Schematic

Company Name:	EP Energy	**Last Updated:**	5/18/2016
Well Name:	Flying Dutchman 3-18C4	**By:**	Tomova
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	11,595'
Surface Location:	Lat: 40°13'02.78137" N Long: 110°22'24.95566" W	**BHL:**	
Producing Zone(s):	Green River, Wasatch	**Elevation:**	

API # 43013522950000

13-3/8" 54.5# J-55 STC @591' MD

234 Jts 2-7/8" 6.5# N-80 8rd Tubing

9-5/8" 40# N-80 LTC @ 2,508' MD

Rod Detail @ 4.3 SPM
1-1/2" x 40' Polished Rod
852' - 17/16" CoRod *
*(keep the 802-rodstar could be 100' off)
926' - 16/16" CoRod
1,508' - 15/16" CoRod
3,083' - 14/16" CoRod
1,400' - 16/16" CoRod
2-1/2" x 1-3/4" x 38' HF Insert Pump

TOC @ 2,890'
Good CMT @ 6,150'

Tubing Anchor @ 7,654'
4 jts 2-7/8" 6.5# N-80 Tubing
Seating Nipple @ 7,786'
2' x 2 7/8" Tubing Sub
5-1/2" x 31.5' PBGA Shell
2 jt - 2-7/8" 6.5# N-80 Mud Anchor
Solid Plug
No-Go Nipple/ EOT @ 7,887'

Dec '15 Recom
STG 3: 7,940' - 8,162' (23'/69 holes)
2,500 gals HCl + 2,960 lbs 100M + 145,500 lbs 30/50
STG 2: 8,237' - 8,420' (21'/63 holes)
18,000 gals HCl
STG 1: 8,850' - 9,000' (23'/69 holes)
10,000 gals HCl + 3,200 lbs 100M + 39,500 lbs 30/50

CBP @ 8,220' w/ 10' CMT

CBP @ 8,800' w/ 10' CMT
TOL @ 8,819'
TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

CBP @ 9,060' w/ 50' sand
CBL @ 9,090' w/ 10' CMT

Initial Completion - Jan'14
Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

PBTD @ 11,422' - 5/19/2015
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

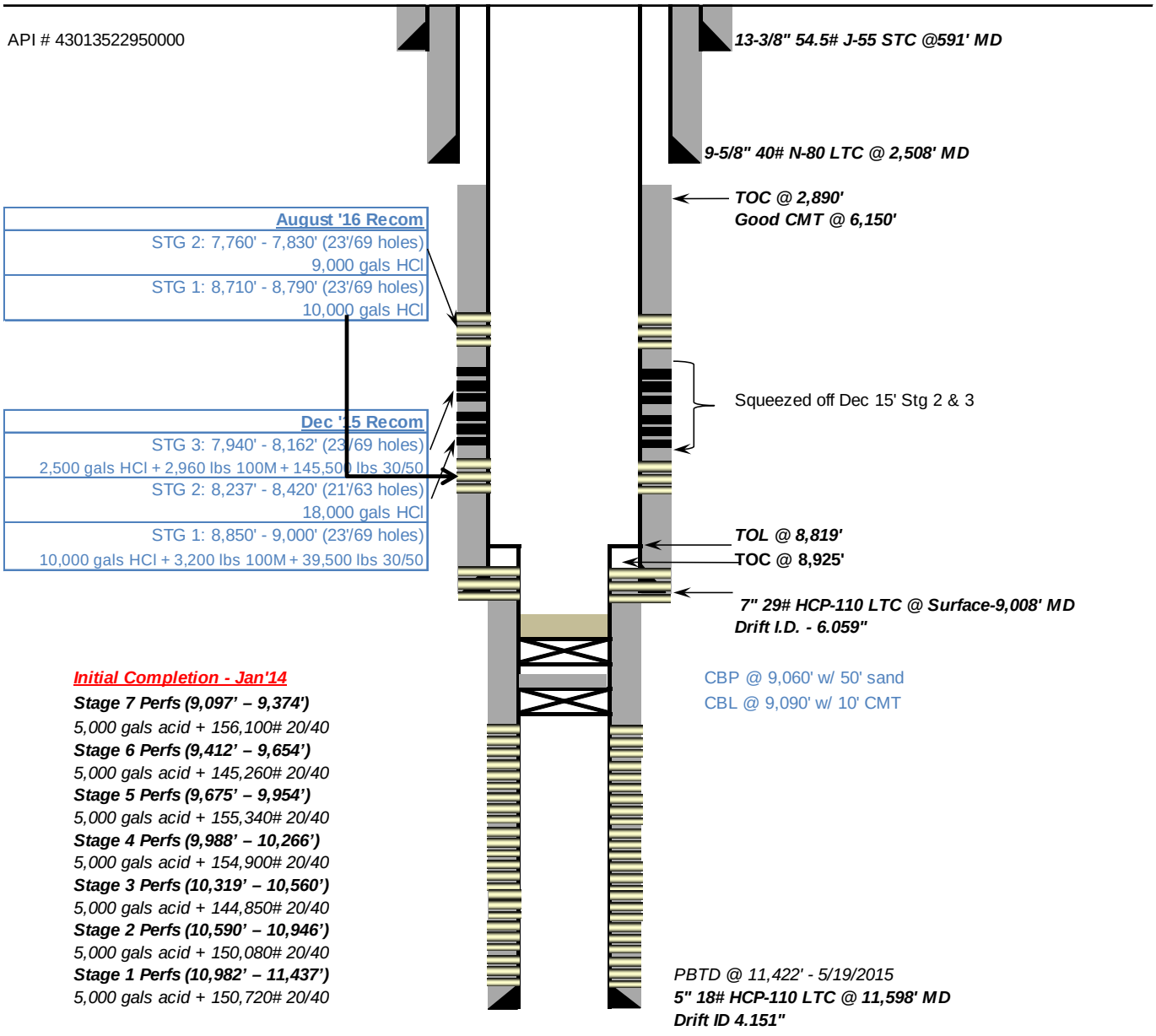
RECEIVED: Jul. 20, 2016

Proposed WBD

EP ENERGY

Proposed CMT Squeeze and 2016 Recompletion

Company Name:	*EP Energy*	**Last Updated:**	***7/18/2016***
Well Name:	***Flying Dutchman 3-18C4***	**By:**	*Fondren*
Field, County, State:	*Altamont - Bluebell, Duchesne, Utah*	**TD:**	*11,595'*
Surface Location:	*Lat: 40°13'02.78137" N Long: 110°22'24.95566" W*	**BHL:**	
Producing Zone(s):	*Green River, Wasatch*	**Elevation:**	



RECEIVED: Jul. 20, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Flying Dutchman 3-18C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013522950000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5138 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 7/25/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached proposed procedure along with current and post WBD's.

Approved by the
Utah Division of
Oil, Gas and Mining
July 26, 2016

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Linda Renken	713 997-5138	Sr. Regulatory Analyst
SIGNATURE		**DATE**
N/A		7/18/2016

RECEIVED: Jul. 21, 2016

Flying Dutchman 3-18 C4 Squeeze and Recom Summary Procedure

- POOH with rods, pump & tubing. Inspect/Repair/Re-furbish as needed. Replace any bad tubing and joints of rods.
- Test CSG above perfs @ 7,940' – 8,162' w/ tubing and PKR
- Test CBP w/ cmt @ 8,220' w/ tubing and PKR
- Squeeze off perfs @ 7,940' – 8,162' w/ cmt, drill out cmt retainer and cmt and test squeeze to 1,000 psi
- Drill out CBP @ 8,220'
- Squeeze off perfs @ 8,237' – 8,420' w/ cmt, drill out cmt retainer and cmt and test squeeze to 1,000 psi
- Stage 1:
  - Perforate new CP 70 interval from **8,710' – 8,790'.**
  - Acid Frac Perforations with **10,000** gals 15% HCl acid w/ pkr and frac string (Stage 1 Recom).
- Stage 2:
  - RIH with 7" CBP & set @ 7,845'.
  - Perforate new LGR interval from **7,760' – 7,830'.**
  - Acid Frac Perforations **9,000** gals 15% HCl acid (Stage 2 Recom).
- Clean out well drilling up (2) 7" CBPs @ 7,845' and 8,800', leaving (2) 5" 10k CBPs w/10' CMT and 50' sand @ 9,090' and 9,060. (PBTD @ 11,422') Top perf BELOW plugs @ 9,097'.
- RIH w/ production tubing and rods.
- Clean location and resume production.

RECEIVED: Jul. 21, 2016

Current WBD

EP ENERGY

RECOM STG 3 Test Pumping Schematic

Company Name:	EP Energy	**Last Updated:**	5/18/2016
Well Name:	Flying Dutchman 3-18C4	**By:**	Tomova
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	11,595'
Surface Location:	Lat: 40°13'02.78137" N Long: 110°22'24.95566" W	**BHL:**	
Producing Zone(s):	Green River, Wasatch	**Elevation:**	

API # 43013522950000

13-3/8" 54.5# J-55 STC @591' MD

234 Jts 2-7/8" 6.5# N-80 8rd Tubing

9-5/8" 40# N-80 LTC @ 2,508' MD

Rod Detail @ 4.3 SPM
1-1/2" x 40' Polished Rod
852' - 17/16" CoRod *
*(keep the 802-rodstar could be 100' off)
926' - 16/16" CoRod
1,508' - 15/16" CoRod
3,083' - 14/16" CoRod
1,400' - 16/16" CoRod
2-1/2" x 1-3/4" x 38' HF Insert Pump

TOC @ 2,890'
Good CMT @ 6,150'

Tubing Anchor @ 7,654'
4 jts 2-7/8" 6.5# N-80 Tubing
Seating Nipple @ 7,786'
2' x 2 7/8" Tubing Sub
5-1/2" x 31.5' PBGA Shell
2 jt - 2-7/8" 6.5# N-80 Mud Anchor
Solid Plug
No-Go Nipple/ EOT @ 7,887'

Dec '15 Recom
STG 3: 7,940' - 8,162' (23'/69 holes)
2,500 gals HCl + 2,960 lbs 100M + 145,500 lbs 30/50
STG 2: 8,237' - 8,420' (21'/63 holes)
18,000 gals HCl
STG 1: 8,850' - 9,000' (23'/69 holes)
10,000 gals HCl + 3,200 lbs 100M + 39,500 lbs 30/50

CBP @ 8,220' w/ 10' CMT

CBP @ 8,800' w/ 10' CMT
TOL @ 8,819'
TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

CBP @ 9,060' w/ 50' sand
CBL @ 9,090' w/ 10' CMT

Initial Completion - Jan'14
Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

PBTD @ 11,422' - 5/19/2015
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

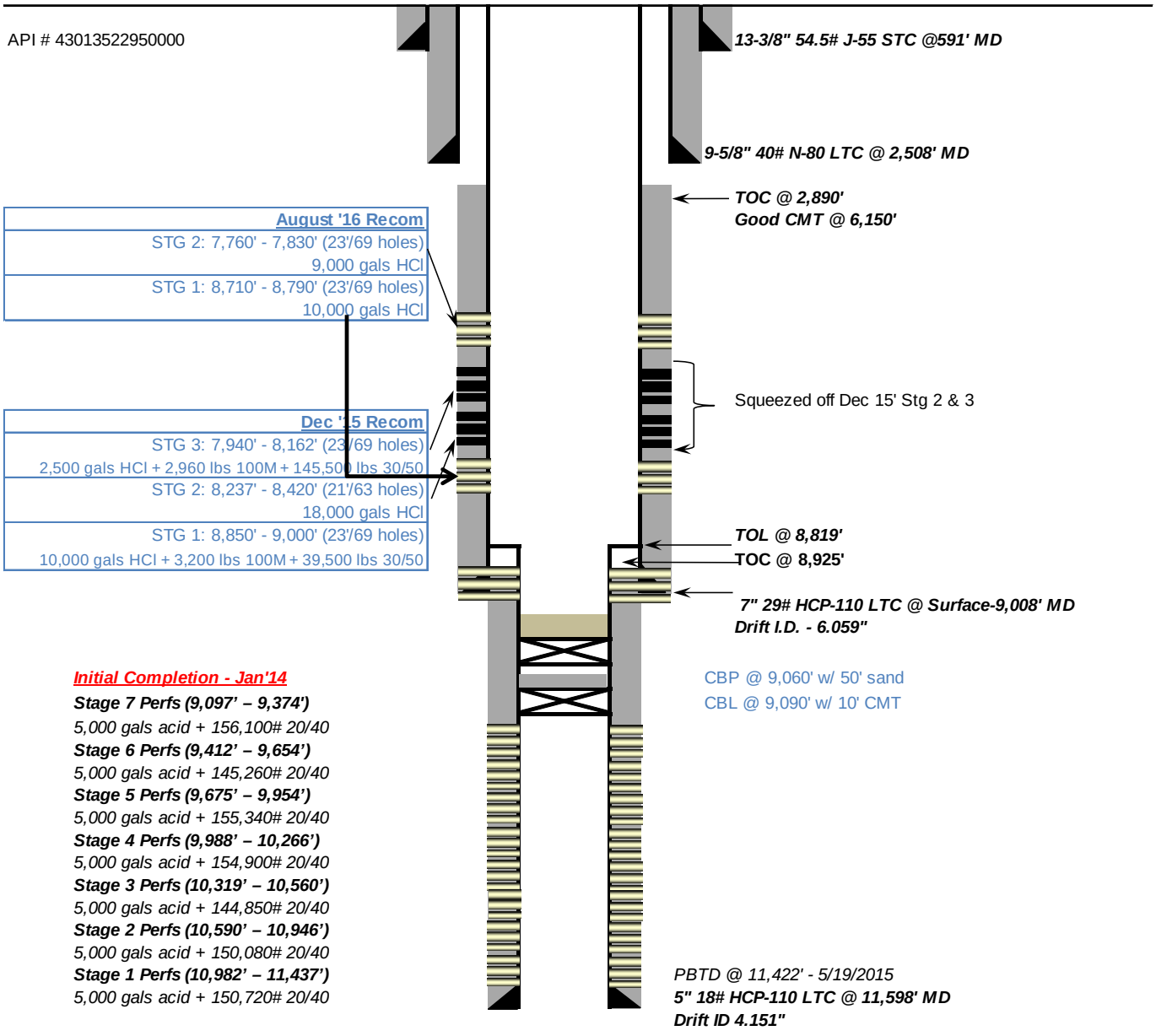
RECEIVED: Jul. 21, 2016

Proposed WBD

EP ENERGY

Proposed CMT Squeeze and 2016 Recompletion

Company Name:	*EP Energy*	**Last Updated:**	***7/18/2016***
Well Name:	***Flying Dutchman 3-18C4***	**By:**	*Fondren*
Field, County, State:	*Altamont - Bluebell, Duchesne, Utah*	**TD:**	*11,595'*
Surface Location:	*Lat: 40°13'02.78137" N Long: 110°22'24.95566" W*	**BHL:**	
Producing Zone(s):	*Green River, Wasatch*	**Elevation:**	



Initial Completion - Jan'14

Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

RECEIVED: Jul. 21, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Flying Dutchman 3-18C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013522950000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5138 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 4/11/2016	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Subsequent to Sundry No. 70732 for a recompletion. No perfs were added. Only set two plugs. One @ 8800' with 10' of cement (TOC @ 8790') and another @ 8220' with 10' of cement on top (TOC @ 8210').

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 06, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5138	Consultant
SIGNATURE		**DATE**
N/A		10/5/2016

RECEIVED: Oct. 05, 2016

CENTRAL DIVISION

ALTAMONT FIELD
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Oct. 05, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30	9:30	2.00	WOR	06		P		PUMP 100 BBLS BRINE, LET SET FOR 20 MINUTES,, BLEED OF GAS, PUMP ADDITIONAL 50 BBLS.
	9:30	13:00	3.50	WOR	40		P		RIH W/ 6" BIT, BIT SUB, RIH W/ 251 JTS 2 7/8" 8RD, TAG @ 8175'. RU POWER SWIVEL, CIRCULATE WELL CLEAN, WASH 10' SAND TAG CBP @ 8185'. DRILL UP CBP.CIRCULTAE CLEAN.
	13:00	18:30	5.50	WOR	40		P		CIH W/ 8 JTS TAG @ 8435' BREAK CIRCULATION. DRILL UP CBP. CIRCULATE WELL CLEAN PULL ABOVE PERFS. SHUT AND LOCK PIPE RAMS, SHUT AND NIGHT CAP CASING VALVES, INSTALL TIW W/ NIGHT CAP.
12/22/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POWER SWIVEL OPERATIONS)
	7:30	9:30	2.00	WOR	39		P		TSIP & CSIP @ 100 PSI BD CASING PUMP 20 BBLS DOWN TBG, RIH W/ 6 JTS KINKED DRILL LINE.
	9:30	14:30	5.00	WOR	18		P		WAIT ON AND REPLACE DRILL LINE.
	14:30	18:30	4.00	WOR	40		P		CIH TAG LINER TOP W/ JT# 266 @ 8828' SLM. RU POWER SWIVEL, DRILL UP PLUG REMAINS, CIRCULATE WELL CLEAN. SOOH W/ TUBING. SHUT AND LOCK PIPE RAMS, INSTALL TIW W/ NIGHT CAP. OPEN ON 64/64 CHOKE @ 100 PSI TOT FLOW BACK CREW.
	18:30	6:00	11.50	FB	23		P		FLOWED 469 BBLS TO FLOW BACK CURRENT PRESSURE 200 ON 24/64 CHOKE
12/23/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PULLING AND RUNNING TUBING)
	7:30	9:30	2.00	WOR	39		P		PUMP 20 BBLS DOWN TUBING COOH W/ TUBING STOP @ 4646 '
	9:30	11:00	1.50	WOR	06		P		CIRCULATE FULL OF BRINE WATER, SHUT IN CASING BULL HEAD ADDITIONAL 50 BBLS. LET SIT FOR 30 MINUTES.
	11:00	12:00	1.00	WOR	39		P		POOH 142 JTS 2 7/8" BIT SUB, & 6" BIT.
	12:00	12:00	0.00	WOR	39		P		PUMU & RIH W/ 4 1/8" BIT, BIT SUB, 10 JTS 2 3/8" 8RD, X/O TO 2 7/8" 8RD, 266 JTS 2 7/8" TAG @ 8992' RU POWER SWIVEL, BREAK CIRCULATION CLEAN OUT TO PBTD @ 9020' CIRCULATE WELL CLEAN, LAY DOWN 27 JTS 2 7/8" COOH W/ 8 JTS 2 7/8" 8RD. EOT @ 7899' SHUT AND LOCK PIPE RAMS, INSTALL TIW W/ NIGHT CAP. OPEN ON 24/64 CHOKE @ 100 PSI TOT FLOW BACK CREW.
12/24/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PU PRODUCTION BHA)
	7:30	11:30	4.00	WOR	39		P		PUMP 20 BBLS DOWN TUBING COOH W/ TUBING STOP @ 4650 '. CIRCULATE FULL OF BRINE WATER, SHUT IN CASING BULL HEAD ADDITIONAL 50 BBLS. LET SIT FOR 30 MINUTES. POOH 132 JTS 2 7/8", X/O, LAY DOWN 10 JTS 2 3/8" 8RD, BIT SUB, & 4 1/8" BIT.
	11:30	18:30	7.00	WOR	39		P		PUMU & RIH W/ 5 3/4" SOLID NOGO, 2 JTS 2 7/8" 8RD, 5 1/2" PBGA, 2' PUP JT, +45 PSN, 4 JTS, 7" KLX TAC, 234 JTS 2 7/8" 8RD, SET TAC TEMPORARY LAND TUBING. ND BOPE AND FRAC VALVE. RE LAND TUBING W/ B FLANGE W/ 25K TENSION, NU B FLANGE, INSTALL 3/8 CAP TUBE. RIG DOWN, RACK OUT PUMP LINES. SWI CREW TRAVEL.
12/25/2015	6:00	7:30	1.50	INARTLT	28		P		CT TGSM & JSA (CO ROD OPERATIONS)
	7:30	8:30	1.00	INARTLT	06		P		FLUSH TUBING W/ 60 BBLS KCL W/ CORROSION INHIBITORS, CHAISE W/ 20 BBLS BRINE WATER.
	8:30	9:00	0.50	MIRU	01		P		MIRU CO ROD EQUIPMENT.
	9:00	15:00	6.00	INARTLT	39		P		PUMU AND RIH W/ 2 1/2" X 1 3/4", X 38' ACCELERATED PUMP, 1400' SE6, 6499' SE 4, CUT, POOH AND CUT OFF 3416'. WELD, CIH W/ 1508 SE5, 701' SE6 MAKE WELD CIH W/ 225' SE6, 802' SE7 SPACE OUT W/ 2-8', 1-6', 2-4', 2-2' AND 1 1/2" X 40' P ROD. FILL W/ 3 BBLS L/S TO 1000 PSIG GOOD TEST W/ GOOD PUMP ACTION. RD SLIDE UNIT NO TAG TOTP.
4/8/2016	12:00	13:00	1.00	MIRU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CO-ROD OPERATIONS
	13:00	13:53	0.88	MIRU	01		P		SLIDE ROTO FLEX MIRU HOT OIL TRUCK PUMP 60 BBLS OF HOT 2% KCL WATER DOWN CSG MIRU CO-ROD UNIT

RECEIVED: Oct. 05, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	13:53	16:55	3.03	WOR	39		P		TBG FLOWING STRIP ON TABLE UNSEAT PUMP FLUSH TBG w 40 BBLS OF HOT 2% KCL WATER
	16:55	18:36	1.68	WOR	39		P		TOH w CO-ROD L/D PUMP SECURE WELL BULL PLUG TBG OPEN TO SALES
	18:36	19:30	0.90	RDMO	02		P		RDMO CO-ROD UNIT SDFN
4/9/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	8:34	1.57	MIRU	01		P		MIRU KILL WELL w 90 BBLS OF BRINE WATER
	8:34	9:30	0.93	WOR	16		P		N/D WELL HEAD N/U AND TEST BOPE RELEASE 7" TAC
	9:30	12:11	2.68	WOR	39		P		TOH w 238 JTS OF 2-7/8" TBG L/D BHA
	12:11	20:00	7.82	WLWORK	27		P		MIRU R/U WIRELINE P/U AND TEST LUBRICATOR TIH w 6" GAUGE RING P/U TIH w WT BARS TAG TA AT 9020' TOH L/D SAME P/U 7" CBP TIH SET AT 8800' DUMP BAIL 10' OF CMT TOC 8790' TOH L/D BAILER SECURE WELL CLOSE BOPE AND LOCK CSG OPEN TO SALES SDFN
4/10/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WIRELINE OPERATIONS
	7:00	11:00	4.00	WOR	27		P		CSG 100 PSI KILL WELL w 50 BBLS OF BRINE WATER TIH SET 7" CBP AT 8220' DUMP BAIL 10' OF CMT TOC 8210' RDMO WIRELINE
	11:00	12:44	1.73	WOR	39		P		P/U 5 3/4" SOILD NO-GO 2-JTS OF 2-7/8" TBG 5 1/2" PBGA 2' X 2-7/8" TBG SUB 2-7/8" PSN 4-JTS OF 2-7/8" TBG 7" TAC 234-JTS OF 2-7/8" TBG
	12:44	14:00	1.27	WOR	16		P		R/D FLOOR N/D BOPE N/U WELL HEAD SECURE WELL CSG OPEN TO SALE INSTALL BULL PLUG IN TBG RDMO
4/11/2016	6:00	6:00	24.00	INARTLT	18		P		NO ACTIVITY, WAITING ON COROD RIG
4/12/2016	9:00	9:30	0.50	INARTLT	28		P		HOLD SAFETY MTG ON RIH W/ COROD, WRITE & REVIEW JSA'S
	9:30	11:00	1.50	MIRU	01		P		SPOT IN & RU WEATHERFORD COROD, FLUSH TBG W/ 65 BBLS TREATED 2% KCL, TBG STILL FLOWING, PUMP 40 BBLS BRINE DWN TBG
	11:00	14:00	3.00	INARTLT	03		P		RIH W/ 2-1/2" X 1-3/4" X 38' ACCELERATED PMP, ON/OFF TOOL, 3' STABILIZER SUB, 1400' SE6, 3083' SE4, 1508' SE5, 926' SE6, 802' SE7, SPACE RODS OUT W/ 2-8', 1-6', 1-4', 2-2' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD, SEAT PUMP, FILL TBG W/ 5 BBLS, STROKE TEST TO 1000 PSI, GOOD TEST, RIG DWN RIG, SLIDE IN P.U. HANG OFF RODS TWOTP
5/26/2016	17:00	18:00	1.00	MIRU	01		P		SLIDE UNIT, MIRU CO ROD RIG
	18:00	19:00	1.00	WOR	06		P		TUBING AND CASING FLOWING WATER, TUBING BLED DOWN IN CELLAR, UN SEAT PUMP FLUSH CO ROD AND PUMP.
	19:00	21:00	2.00	UNINARTLT	03		P		POOH W/ P ROD, SUBS, 802 SE7, 926 SE6, 1508' SE 5, 3083' SE 4, 1400' SE 6. LAY DOWN AND RETIRE PUMP, BARRIER 1 INSTALL TIW VALVE, BARRIER 2 INSTALL NIGHT CAP. BARRIER 1 SHUT CASING VALVE, BARRIER 2 INSTALL NIGHT CAP. LEAVE WELL FLOWING TO FACILITIES.
5/27/2016	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (RU PROCEDURES)
	7:30	12:00	4.50	WOR	06		P		MIRU RIG, WELL FLOWING 16 BBLS WATER PER HOUR, CIRCULATE BRINE WATER. ND WELL HEAD, NU BOP & TEST BOP, RELEASE TAC
	12:00	15:00	3.00	UNINSTUB	39		P		TOOH W/ 234 JTS 2 7/8" N-80 TBG, LD 7" TAC, TOOH W/ 4 JTS 2 7/8" N-80 TBG, LD PSN. TOOH W/ 2' PUP JT, 5 1/2" PBGA, 2 JTS 2 7/8" TBG, 5 3/4" NO /GO.
	15:00	18:00	3.00	INSTUB	39		P		TIH W/ 5 3/4" NO/GO, 2 JTS 2 7/8" TBG, 5 1/2" PBGA, 2' PUP JT, MECH SN, TBG PUMP CAVITY, 4 JTS 2 7/8" N-80 TBG, 7" TAC, 234 JTS 2 7/8" N-80 TBG. PU 6' PUP JT, SET 7" TAC@ 7655'. LAND TBG W/ DONUT HANGER. RD FLOOR, TBG WORKS. STRIP OFF 10K-5K SPOOL, 5K BOP. REMOVE PUP JT, HANGER, MU B-FLANGE. LAND TBG W/ 18,000# TENSION, TAC @7655, MECH SN @7830', EOT @7933'. RIH W/ CAP STRING, MU WELLHEAD. X-OVER TO ROD EQUIP.
5/28/2016	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (RU AND RD PROCEDURES)

Reset Form

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

RECOMPLETION

AMENDED REPORT ☐ (highlight changes)

FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME:

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP Energy E&P Company, L.P.

9. API NUMBER: 4301352295

3. ADDRESS OF OPERATOR: 1001 Louisiana CITY Houston STATE TX ZIP 77002

PHONE NUMBER: (713) 997-5038

10 FIELD AND POOL, OR WILDCAT: Altamont

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1600' FSL & 980' FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1600' FSL & 980' FEL
AT TOTAL DEPTH: 1600' FSL & 980' FEL

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 9 3S 4W U
U.S.B.& M.

12. COUNTY: Duchesne

13. STATE: UTAH

14. DATE SPUDDED: 11/13/2013

15. DATE T.D. REACHED: 12/6/2013

16. DATE COMPLETED: 12/24/2015 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 5890

18. TOTAL DEPTH: MD 11,610 TVD 11,599

19. PLUG BACK T.D.: MD TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Submitted with Initial Completion

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
		Submitted							
		with							
		Initial							
		Completion							

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	7,897							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) Wasatch	8,918	11,610	8,909	11,599
(B) LGR	7,670	8,918	7,662	8,909
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
8,850		69	Open ☑ Squeezed ☐
8,237		63	Open ☑ Squeezed ☐
7,944		69	Open ☑ Squeezed ☐
			Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
8850-9000	10000 gals 15% HCL Acid, 3200# 100 Mesh, 39500# 30/50 PW
8237-8420	18000 gals 15% HCL Acid
7944-8162	5000 gals 15% HCL Acid, 2960# 100 Mesh, 145500# 30/50 PW

29. ENCLOSED ATTACHMENTS:
Please see Page 3 for #29 Perf Treatment Information

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:
Prod

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Oct. 13, 2016

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
12/21/2015		12/26/2015		24			63	38	738	Rod Pump
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
0	81	69	42.00	1,319	0		63	38	738	Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
UGR	4,125
MGR	5,686
LGR	7,041
Wasatch	8,918

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Maria S. Gomez TITLE Principal Regulatory Analyst

SIGNATURE _____ DATE 3/10/2016

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Oct. 13, 2016

Attachment to Well Completion Report

Form 8 Dated: October 13 2016

Well Name: Flying Dutchman 3-18C4

Items #27 and #28 Continued

27. Perforation Record

Interval (Top/Bottom–MD)	Hole Size	No. of Holes	Perf. Status
8711'-8788'	.44	63	Open
7758'-7826'	.44	42	Open
8850'-9000'	2015	Recompletion	Open

28. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
8711'-8788'	9000 Gals 15% HCL Acid
7758'-7826'	9000 Gals 15% HCL Acid
8850'-9000'	2015 Recompletion

RECEIVED: Oct. 13, 2016

CENTRAL DIVISION

ALTAMONT FIELD
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Oct. 13, 2016

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	FLYING DUTCHMAN 3-18C4		
Project	ALTAMONT FIELD	**Site**	FLYING DUTCHMAN 3-18C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	7/27/2016	**End date**	8/17/2016
Spud Date/Time	11/20/2013	**UWI**	FLYING DUTCHMAN 3-18C4
Active datum	KB @5,907.0usft (above Mean Sea Level)		
Afe No./Description	166983/57184 / FLYING DUTCHMAN 3-18C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
7/28/2016	16:30	17:30	1.00	PRDHEQ	28		N		HELD SAFETY MEETING ON MOVING RIG,FILLED OUT AND REVIEWED JSA.
	17:30	18:30	1.00	MIRU	01		P		MIRU CO-ROD RIG. WHILE PUMPING 60 BBLS DOWN CSG.STARTING PRESSURE 300 PSI ENDING PRESSURE 500 PSI.
	18:30	19:00	0.50	PRDHEQ	19		P		TBG AND CSG FLOWING. OPENED TBG AND CSG TO CELLAR BLED DOWN TBG. CSG CONTINUED TO FLOW. @ 1/2 BPM.
	19:00	20:30	1.50	PRDHEQ	39		P		LATCHED ONTO AND UNSEATED STANDING VALVE. LD POLISH ROD, 3-1" EL SLK RODS, TOOH W/ 852'- 17/16", 926'-16/16", 1508'-15/16", 3083'-14/16", 1400'-16/16", ON-OFF TOOL, STAB SUB, POLISH ROD,PLUNGER AND STANDING VALVE.CLOSED WELL IN CLOSED ALL FLOWLINE VALVE. INSTALLED NIGHT CAP IN TBG.
	20:30	21:30	1.00	RDMO	02		P		RD CO-ROD RIG AND GOT READY TO MOVE.
7/29/2016	6:00	7:30	1.50	MIRU	28		P		CREW TRAVEL HELD SAFETYU MEETING ON RIGGING UP RIG, FILLED OUT AND REVIEWED JSA,
	7:30	8:30	1.00	MIRU	01		P		MIRU SERVICE RIG.
	8:30	10:30	2.00	WOR	06		P		100 TSIP 200 CSIP. OPENED WELL TO FLOWBACK TANK. FLOWING @ 1/2 BPM. RAN PUMP LINES, CIRCULATED WELL W/ 260 BBLS 10# BRINE. WELL DIED,
	10:30	12:30	2.00	WOR	16		P		BARRIER 1 KILL FLUID. ND WELLHEAD LANDED TEMPORALLY LANDED TBG W/ PERF SUB HANGER W/ TWC, NU AND TESTED 5M DOUBLE BOP, 250 LOW AND 4000 PSI HIGH.
	12:30	16:00	3.50	WOR	39		P		RELEASED TAC, RU SCANNERS. TOOH W/ 234-JTS 2 7/8 L-80, TAC AND 4-JTS 2 7/8 L-80. 224-YELLOW, 13-BLUE AND 1-RED. LD BHA.
	16:00	18:00	2.00	WOR	39		P		RIH W/ 7' HD PKR, SN AND 124-JTS 2 7/8 L-80 EUE TBG. EOT @ 4061', CLOSED IN WELL CSG BARRIER 1 KILL FLUID, BARRIER 2 PIPE RAMS, TBG BARRIER 1 TIW VALVE. BARRIER 2 NIGHT CAP. CLOSED ALL CSG VALVES.
7/30/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30	14:00	6.50	WOR	39		P		50 TSIP, 50 CSIP, BLED DOWN WELL. CONTINUED RIH W/ 118-JTS 2 7/8 L-80 EUE TBG. TTL 242 JTS 2 7/8 SET PKR @ 7912', FILLED CSG W/ 20 BBLS (FLUID LEVEL @678'). PRESSURE TEST CSG @ 1000 PSI FOR 15 MIN NO LOSS. PUMPED DOWN TBG ESTABLISHED INJECTION RATE @ 2.5 BPM @ 500 PSI. RELEASED PKR. CONTINUED RIH TTL 251-JTS 2 7/8 IN TAGGED @ 8203' LD 1-JT 2 7/8 SET PKR @ 8183'. PRESS TEST DOWN TBG @ 1000 PSI FOR 15 MIN NO LOSS. RELEASED PKR. TOOH W/ 250-JTS 2 7/8 L-80 EUE TBG SN AND 7" HD PKR.
	14:00	16:00	2.00	WLWORK	26		P		RU WIRELINE RIH SET CCR @ 7920' . RD WIRELINE.
	16:00	18:30	2.50	WOR	39		P		RU HYDROTESTERS. RIH HYDROTESTING @ 8500 PSI W/ STINGER, SN AND 82-JTS 2 7/8 L-80 EUE TBG. EOT @ 2665' CLOSED IN WELL CSG BARRIER 1 CCR, BARRIER 2 PIPE RAMS, TBG BARRIER 1TIW VALVE, BARRIER 2 NIGHT CAP.
7/31/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON HYDROTESTING TUBING. FILLED OUT AND REVIEWED JSA,
	7:30	14:00	6.50	WOR	39		P		0 TSIP, 25 CSIP. BLED DOWN WELL CONTINUED RIH HYDROTESTING W/ 160-JTS 2 7/8 L-80 EUE TBG TTL 242-JTS 2 7/8. FOUND NO LEAKS. RD HYDROTESTER. STUNG INTO CCR SET @ 7920' SET 20M DOWN. STUNG OUT, SPACED OUT TBG W/ 1-8', 1-6' AND 1-2' X 2 7/8 TBG SUBS.SET 20M DOWN PRESSURE UP ON CSG @ 600 PSI CCR SLIPPED DOWN HOLE. PUSHED CCR TO 7938' PRESSURE TEST CSG @ 1000 PSI HELD. UNABLE TO PUSH CCR TO PBTD. TOOH W/ 242-JTS 2 7/8 L-80 EUE TBG, SN AND STINGER.
	14:00	16:00	2.00	WOR	39		P		RIH W/ 6" ROCK BIT, BIT SUB AND 242-JTS 2 7/8 L-80 EUE TBG. TAGGED CCR@ 7938' RU POWER SWIVEL.
	16:00	18:30	2.50	WOR	10		P		BREAK REVERSE CIRCULATION, DRILLED OUT CCR AND CHASED IT TO PBTD @ 8203' CIRCULATE TBG CLEAN. RD POWER SWIVEL
	18:30	19:30	1.00	WOR	39		P		TOOH W/ 67-JTS 2 7/8 L-80 EUE TBG, EOT @ 6020', CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 WASHINGTON RUBBER, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAPS, CSG VALVED SHUT AND NIGHT CAPS INSTALLED. SDFN.
8/1/2016	6:00	7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING FILLED OUT AND REVIEWED JSA.
	7:30	9:00	1.50	WOR	39		P		0TSIP, 0 CSIP. OPENED WELL TOOH W/ 184-JTS 27/8 L-80 EUE TBG, BIT SUB AND 6" ROCK BIT.
	9:00	10:30	1.50	WLWORK	26		P		RU WIRELINE RIH SET CCR @ 7910'. PULLED OUT, RD WIRELINE.
	10:30	12:00	1.50	WOR	39		P		RIH W/ STINGER, SN AND 243-JTS 2 7/8 L-80 EUE TBG STUNG INTO CCR SET @ 7910'. SET 20K DOWN. STUNG OUT LD 1-JT 2 7/8 SPACED OUT TBG W/ 1-6' 2 7/8 N-80 TBG SUB. STUNG INTO CCR. PRESSURE TEST CSG @ 1000 PSI HELD.
	12:00	14:00	2.00	WBREMD	05		P		HELD 500 PSI ON CSG. ESTABLISHED INJECTION RATE @ 4 BPM @ 750 PSI. PUMPED 15 BBLS FRESH WATER, PUMPED 225 SKS CLASS G 15.8# 1.15 YEILD CEMENT (45 BBLS) DISPLACED W/ 36 BBLS, WAIT 15 MIN, PUMP 4 BBLS @ .5 BPM @ 1620 PSI. WAIT 5 MIN. PUMPED 1/2 BBL CEMENT LOCKED UP. STUNG OUT OF CCR W/ 3000 PSI. REVERED TBG CLEAN W/ 68 BBLS.
	14:00			WOR	39		P		TOOH W/ 1-JT 2 7/8 L-80 EUE TBG, 6' 2 7/8 EUE TBG SUB, 241-JTS 2 7/8 L-80 EUE TBG, SN AND STINGER, CLOSED IN WELL, CSG BARRIER 1 CCR, BARRIER 2 BLIND RAMS, CLOSED ALL CSG VALVES AND INSTALLED NIGHT CAPS.
8/2/2016	6:00	8:00	2.00	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON POWER SWIVEL. FILLED OUT AND REVIEWED JSA.

RECEIVED: Oct. 13, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	8:00 10:00	2.00	WOR	39		P		0 CSIP. OPENED WELL RIH W/ 6" BIT, BIT SUB AND 243-JTS 2 7/8 L-80 EUE TBG, TAGGED CEM @ 7909'. RU POWER SWIVEL
	10:00 18:30	8.50	WOR	10		P		BREAK REVERSE CIRCULATION, DRILLED CEM DOWN TO CCR SET @ 7910' (7915' TBG TALLY) DRILLED OUT CCR. DRILLED CEMENT DOWN TO 7946' CIRC TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD, CONTINUED DRILLING CEMENT. DRILLED CEMENT DOWN TO 7979' CIRC TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD, CONTINUED DRILLING CEMENT. DRILLED CEMENT DOWN TO 8013' CIRC TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD. CONTINUED DRILLING CEMENT. DRILLED CEMENT DOWN TO 8046' CIRC TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD.
	18:30 19:00	0.50	WOR	39		P		RD POWER SWIVEL TOOH W/ 4-JTS 2 7/8 L-80 EUE TBG. EOT @ 7910'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 CBP W/ CEM, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP, CSG VALVES SHUT AND NIGHT CAPS INSTALLED. SDFN.
8/3/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON POWER SWIVEL FILLED OUT AND REVIEWED JSA.
	7:30 8:00	0.50	WOR	39		P		0 TSIP, 0 CSIP. OPENED WELL RIH W/ 4-JTS 2 7/8 L-80 EUE TBG, RU POWER SWIVEL.
	8:00 18:30	10.50	WOR	10		P		BREAK REVERSE CIRCULATION, STARTED DRILLING CEMENT @ 8046' DRILLED CEM DOWN TO 8078' CIRCULATE TBG CLEAN. PRESSURE TEST @ 1000 PSI HELD. CONTINUED DRILLING CEMENT. DRILLED CEMENT DOWN TO 8111' CIRC TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD. CONTINUED DRILLING CEMENT. DRILLED CEMENT DOWN TO 8143' CIRC TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD. CONTINUED DRILLIG CEMENT FELL THRU @ 8172', CIRCULATE TBG CLEAN. PRESSURE TEST CSG @ 1000 PSI HELD. CONTINUE RIH DRILLOUT REMAINS OF FAILED CCR, 10' CEM AND 7" CBP SET @ 8220. HUNG UP @ 8240', FINISHED DRILLING CBP, DRILLED CEMENT FROM 8240 TO 8272' CIRCULATE TBG CLEAN, PRESSURE TEST CSG @ 1000 PSI HELD. RD POWER SWIVEL, TOOH W/ 12-JTS 2 7/8 L-80 EUE TBG. EOT @ 7880'. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 CEM, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP, CSG VALVES SHUT AND NIGHT CAPS INSTALLED. SDFN.
8/4/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON DRILLING CEMENT. FILLED OUT AND REVIEWED JSA.
	7:30 9:30	2.00	WOR	10		P		RIH W/ 6-JTS 2 7/8 L-80 EUE TBG TAGGED CEMENT @ 8272. RU POWER SWIVEL DRILLED CEMENT FROM 8272' TO 8300' FELL THRU. CIRCULATE TBG CLEAN. CONTINUE RIH TAGGED FILL @ 8745' 8' IN ON JT # 268. ESTALISHED INJECTION. RATE @ 1/2 BPM @ 500 PSI.
	9:30 11:00	1.50	WOR	39		P		TOOH W/ 268-JTS 2 7/8 L-80 EUE TBG, BIT SUB, AND 6" ROCK BIT.
	11:00 12:30	1.50	WLWORK	26		P		RU WIRELINE RIH SET CCR @ 8220',PULLED OUT RD WIRELINE.
	12:30 15:00	2.50	WOR	39		P		RIH W/ STINGER, SN AND 252- JTS 2 7/8 L-80 EUE TBG. STUNG INTO CCR SET 20K DOWN. STUNG OUT LD 1-JT 27/8 TBG. SPACED OUT TBG W/ 1-8',1-6' AND 1-4' 2 7/8 N-80 EUE TBG SUBS, STUNG INTO CCR4 SET 20K DOWN PRESSURE TEST CSG @ 1000 PSI. HELD.

RECEIVED: Oct. 13, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	15:00 16:30	1.50	WBREMD	05		P		HELD 500 PSI ON CSG. ESTABLISHED INJECTION RATE @2 BPM @1100 PSI. PUMPED 10 BBLS FRESH WATER, PUMPED 150 SKS CLASS G 15.8# 1.15 YEILD CEMENT (30.7 BBLS) DISPLACED W/ 40 BBLS, WAIT 15 MIN, PUMP 2 BBLS @1/2 BPM @ 1620 PSI. WAIT 5 MIN. PUMPED 1 BBL CEMENT@ 1/2 BPM 2600 PSI, WAIT 5 MIN CEMENT LOCKED UP. STUNG OUT OF CCR W /3000 PSI. REVERSED TBG CLEAN W/ 71 BBLS.
	16:30 18:30	2.00	WOR	39		P		TOOH W/ 1-JT 2 7/8 L-80 EUE TBG, 2 7/8 TBG SUBS AND 250-JTS 2 7/8 L-80 EUE TBG, SN AND STINGER. CSG BARRIER 1 CCR, BARRIER 2 BLIND RAMS, CLOSED ALL CSG VALVES AND INSTALLED NIGHT CAPS.
8/5/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING. FILLED OUT AND REVIEWED JSA.
	7:30 9:30	2.00	WOR	39		P		0 CSIP. OPENED WELL RIH W/ 6" ROCK BIT, BIT SUB AND 252' JTS TAGGED @ TBG TALLY. RU POWER SWIVEL.
	9:30 17:30	8.00	WOR	10		P		BREAK REVERSE CIRCULATION. DRILLED OUT CCR WIRELINE SET @ 8218' (8221' TBG TALLY), DRILLED CEMENT FROM 8223' TO 8242'. CICRULATE TBG CLEAN PRESSURE TEST CSG @ 1000 PSI HELD. RD POWER SWIVEL
	17:30 18:00	0.50	WOR	39		P		TOOH W/ 10-JTS 2 7/8 L080 EUE TBG EOT @ 7914'. CSG BARRIER 1 PIPE RAMS, BARRIER 2 CEM, TBG BARRIER 1 TIW VALVE, BARRIER 2 NIGHT CAP, CSG VALVES SHUT AND NIGHT CAPS INSTALLED. SDFN.
8/6/2016	6:00 7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON RU POWER SWIVEL & PINCH POINTS, WRITE & REVIEW JSA'S
	7:00 7:30	0.50	PRDHEQ	39		P		RIH W/ 10 JTS 2-7/8" EUE L-80 TBG, RU POWER SWIVEL & BEGIN REVERSE CIRCULATION
	7:30 17:00	9.50	WOR	72		P		DRILL OUT CMT FROM 8242' TO 8275', CIRC TBG CLEAN & TEST CSG TO 1000 PSI HELD, DRILL CMT FROM 8275'-8309' CIRC TBG CLEAN TEST CSG TO 1000 PSI HELD, DRILL CMT FROM 8309'- 8341' CIRC TBG CLEAN TEST CSG TO 1000 PSI HELD, DRILL CMT FROM 8341'- 8375' CIRC TBG CLEAN TEST CSG TO 1000 PSI HELD, DRILL CMT FROM 8375'-8408' CIRC TBG CLEAN TEST CSG TO 1000 PSI HELD, DRILL CMT FROM 8408' TO 8429' & FELL THRU, CIRC TBG CLEAN TEST CSG TO 1000 PSI GOOD TEST, RD SWIVEL RIH W/ 10 JTS 2-7/8" EUE L-80 TBG TAG FILL ON 7" CBP @ 8743', LD 1 JT, RU SWIVEL MAKE CONNECTION W/ SWIVEL, BEGIN REV CIRC, CLEAN OUT FILL & DRILL OUT 7" CBP @ 8800' & PUSH PLUG REMAINS TO TOP OF LINER @ 8819 & CONT DRILLING UP PLUG, CIRC TBG CLEAN
	17:00 18:00	1.00	WOR	39		P		LD 1 JT W/ POWER SWIVEL,RD & RACK OUT SWIVEL, LD 5 JTS 2-7/8" EUE L-80 TBG, TOOH W/ 44 JTS 2-7/8" EUE L-80 TBG, EOT @ 7195", SECURE WELL, WELL BORE FLUID BARRIER 1, SHUT & LOCK PIPE RAMS BARRIER 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, CLOSE & NIGHT CAP TIW VALVE BARRIER 1 & 2, SDFN
8/7/2016	6:00 7:30	1.50	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON TRIPPING TUBING, FILLED OUT AND REVIEWED JSA.
	7:30 8:00	0.50	WOR	06		P		700 CSIP, 680 TSIP, BLED DOWN WELL, CIRCULATE WELL W/ 100 BBLS KCL.
	8:00 9:00	1.00	WOR	39		P		TOOH W/ 128-JTS 2 7/8 L-80 EUE EOT @ 3012'.
	9:00 9:30	0.50	WOR	06		P		CIRCULATE WELL W/ 120 BBLS 10# BRINE.
	9:30 10:30	1.00	WOR	39		P		TOOH W/ 92-JTS 2 7/8 L-80 EUE TBG, BIT SUB AND 6" BIT
	10:30 12:30	2.00	WOR	16		P		INSTALLED HANGER W/ TWC, BARRIER 1 KILL FLUID, BARRIER 2 HANGER W/ TWC, CHNAGED PIPE RAMS TO 3 1/2, NU HYDRIL. PRESSURE TEST BOP @ 250 LOW, AND 4000 HIGH, PRESSURE TEST HYDRIL @ 250 LOW AND 3000 PSI HIGH.

RECEIVED: Oct. 13, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	12:30	14:00	1.50	STG01	21		P		PERFORATE STAGE # 1 FROM 8788' TO 8711'. USING 3 1/8 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO LONE WOLF RADIAL CBL GR/CCL LOG DATED 12-17-13. STARTING PRESSURE 700 PSI, FINAL PRESSURE 400 PSI.
	14:00	16:00	2.00	STG02	21		P		PERFORATE STAGE # 2 FROM 7826' TO 7758'. USING 3 1/8 22.7 GM, 120 DEGREE PHASING, 3 SPF. ALL PERFS CORRELATED TO LONE WOLF RADIAL CBL GR/CCL LOG DATED 12-17-13. STARTING PRESSURE 400 PSI, FINAL PRESSURE 300 PSI.
	16:00	19:30	3.50	WOR	39		P		BLED DOWN WELL. RIH W/ PLUG, ON-OFF TOOL, 4' 2 7/8 N-80 EUE TBG SUB, PKR, X-OVER , 3 1/2 SN AND 84-JTS 3 1/2 P-110 EUE TBG EOT @ 2714'. CLOSED IN WELL CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE BARRIER 2 NIGHT CAP. CLOSED CSG VALVE AND INSTALLED NIGHT CAPS, SDFN.
8/8/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY
8/9/2016	6:00	8:00	2.00	WOR	28		P		CREW TRAVEL HELD SAFETY MEETING ON PICKING UP TUBING FILLED OUT AND REVIEWED JSA,
	8:00	9:00	1.00	WOR	17		P		700 TSIP, 750 CSIP. BLED DOWN WELL , PUMPED 40 BBLS 2% KCL DOWN TBG, CIRCULATE 30 BBLS OF OIL OUT, PUMPED 23 BBLS BRINE DOWN TBG, CIRCULATE 23 BBLS WATER OUT. TBG DEAD, CSG FLOWING TO FLOW BACK TANK.
	9:00	15:00	6.00	WOR	24		P		TALLIED AND PU 191-JTS 3 1/2 P-110 EUE TBG, SET PLUG @ 8812'(CSG DISPLACED 19 BBLS. FLOWED BACK 55 BBLS). 7' IN ON JT # 275. SET PKR @ 8790' 3' OUT JT # 274. PRESSURE TEST DOWN TBG @ 1500 PSI HELD. TOOH W/ 4-JTS 3 1/2 P-110 EUE TBG PU FRAC VALVE AND 8' 3 1/2 P-110 TBG SUB, SET PKR @ 8670' 270-JTS 3 1/2 IN. CLOSED IN WELL. CSG BARRIER 1 PIPE RAMS, BARRIER 2 ANNULAR, TBG BARRIER 1 TIW VALVE BARRIER 2 NIGHT CAP. CLOSED CSG VALVES AND INSTALLED NIGHT CAPS, SDFN.
8/10/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY
8/11/2016	6:00	12:00	6.00	SITEPRE	18		P		HELD SAFETY MEETING ON HEATING WATER FILLED OUT AND REVIEWED JSA. HEATED 1000 BBLS 25 KCL, SDFN.
8/12/2016	11:00	12:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON ACIDIZING OPERATIONS WRITE & REVIEW JSA'S
	12:00	14:00	2.00	MIRU	01		P		MIRU WEATHERFORD ACIDIZING EQUIP & R.U.
	14:00	15:30	1.50	STG01	35		P		PRESSURE TEST PMP LINES TO 8617 PSI, OPEN TBG @ 660 PSI, PUMP 10 BBLS TO FILL TBG, BREAK DWN STG 1 PERFS @ 5417 PSI @ 8 BPM, PMP TTL OF 35 BBLS, ISIP 2712 PSI, 5 MIN 2357 PSI, TREAT STG 1 PERFS W/ 9000 GALS 15% HCL ACID DROPPING 96 BIO BALLSTHRU OUT ACID IN 3 STAGES, FLUSH ACID 10 BBLS PAST BTM PERF, ISIP 2745 PSI, 5 MIN 2459 PSI, 10 MIN 2286 PSI, 15 MIN 2115 PSI, SHUT WELL IN, RIG DWN WFTRD OFF TBG
	15:30	16:30	1.00	PRDHEQ	19		P		OPEN TBG TO FLOW BACK TANK @ 550 PSI, BLEED PRESSURE OFF TBG, RECOVERING 12 BBLS, PUMP 10 BBLS BRINE WTR DWN TBG
	16:30	18:30	2.00	PRDHEQ	39		P		RELEASE PKR @ 8674', RIH W/ 5 JTS 3-1/2" TBG, LATCH ONTO & RELEASE RBP @ 8712', POOH LD 29 JTS 3-1/2" TBG, SET RBP @ 7893', LD 1 JT 3-1/2" TBG SET PKR @ 7856', PRESSURE TEST TOOLS TO 1500 PSI FOR 15 MIN GOOD TEST, RELEASE PKR, POOH W/ 4 JTS 3-1/2" TBG, MU 3-1/2" TBG SUB & FRAC VALVE, SET PKR @ 7734', SHUT & LOCK PIPE RAMS, CLOSE ANNULAR, TEST CSG TO 1000 PSI GOOD TEST, CLOSE & NIGHT CAP TBG, CLOSE & NIGHT CAP CSG VALVES SDFN
8/13/2016	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON PUMP LINES W/ PRESSURE, WRITE & REVIEW JSA

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00	9:30	2.50	STG02	35		P		RU WFTRD PUMP LINES TO FRAC VALVE, PRESSURE TEST PUMP LINES TO 8661 PSI, OPEN FRAC VALVE TBG PRESSURE 0 PSI, FILL TBG W/ 7 BBLS, BRK DWN STG 2 PERFS 7758'-7826' @ 3669 PSI, PUMP TTL 31 BBLS, ISIP 1664 PSI, 5 MIN 684 PSI, 10 MIN 557 PSI, 15 MIN 506 PSI, TREAT STG 2 PERFS W/ 8000 GALS 15% HCL ACID FLUSH TO 10 BBLS PAST BTM PERF, WHILE HOLDING 500 PSI ON CSG, ISIP 1505 PSI, 5 MIN 1314 PSI, 10 MIN 1271 PSI, 15 MIN 1254 PSI, AVG PSI 3543 PSI, MAX PSI 4259 PSI, AVG RATE 11.2 BPM, MAX RATE 13.1 BPM, SIT RDMO FRAC EQUIP
	9:30	11:30	2.00	PRDHEQ	39		P		OPEN TBG TO FLOW BACK TANK @ 1100 PSI, BLEED OFF TBG, RECOVERING 13 BBLS, PUMP 20 BBLS BRINE DWN TBG, RELEASE PKR, BREAK OUT & LD FRAC VALVE & 3-1/2" SUB, RIH W/ 5 JTS 3-1/2" EUE TBG, LATCH ONTO & RELEASE 7" RBP @ 7893'
	11:30	14:30	3.00	PRDHEQ	24		P		POOH & LD 74 JTS 3-1/2" EUE P-110 TBG, EOT @ 5522', SECURE WELL CLOSE & LOCK PIPE RAMS BARRIER 1, CLOSE ANNULAR BARRIER 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, HOOK UP FLOW LINES FROM TBG TO FLOW BACK LINE & PRODUCTION LINE,
	14:30	6:00	15.50	FB	19		P		OPEN WELL TBG UP TO FLOW BACK TANK @ 400 PSI ON 24/64 CHOKE, TWOTFB, CURRENT PRESSURE 50 PSI, FLOWED BACK 654 BBLS WTR, CHOKE ON 64/64
8/14/2016	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON POOH & LD TBG WRITE & REVIEW JSA'S
	7:00	8:00	1.00	WOR	15		P		SICP 500 PSI, TBG FLOWING 40 PSI, BLOW DWN CSG TO FLOW BACK TANK, CIRC 200 BBLS BRINE WTR
	8:00	11:00	3.00	PRDHEQ	24		P		POOH LD, 172 JTS 3-1/2" TBG. 3-1/2" P.S.N., 7" PKR & PLUG
	11:00	12:00	1.00	PRDHEQ	18		P		CHANGE OUT 3-1/2" PIPE RAMS TO 2-7/8" PIPE RAMS, LAND TBG HANGER W/ 2 WAY CHECK, INSTALL 2-7/8" MANDREL TEST PIPE RAMS, PULL MANDREL & TBG HANGER
	12:00	15:00	3.00	PRDHEQ	39		P		MU & RIH W/ 4-1/8" BIT, BIT SUB, 11 JTS 2-3/8" TBG, 2-7/8" X 2-3/8" EUE X OVER & 259 JTS 2-7/8" EUE L-80 TBG TAG @ TOP OF LINER 8919', RU POWER SWIVEL
	15:00	20:00	5.00	PRDHEQ	10		P		BREAK CIRC W/ 182 BBLS TREATED 2% KCL, DRILL OUT REMAINS OF 7" CBP @ LINER TOP & CLEAN OUT TO 9040', CIRC TBG CLEAN, PUMP 15 BBLS BRINE DWN TBG, RD POWER SWIVEL
	20:00	21:00	1.00	PRDHEQ	39		P		POOH LD 28 JTS 2-7/8" TBG & STAND 14 BACK IN DERRICK EOT @ 7643', SECURE WELL SHUT & LOCK PIPE RAMS BARRIER 1, CLOSE ANNULAR BARRIER 2, CLOSE & NIGHT CAP TIW VALVE BARRIER 1 & 2, CLOSE & NIGHT CAP CSG VALVES BARRIER 1 & 2, SDFW
8/15/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY SDFW
8/16/2016	7:00	8:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON TOOH W/ TBG, WRITE & REVIEW JSA'S
	8:00	9:00	1.00	WOR	15		P		SITP 275 PSI, SICP 250 PSI, CIRC WELL BORE W/ 170 BBLS BRINE
	9:00	11:30	2.50	PRDHEQ	39		P		TOOH W/ 223 JTS 2-7/8" TBG, 2-7/8" X 2-3/8" EUE X OVER, LD 11 JTS 2-3/8" TBG, BIT SUB & 4-1/8" BIT
	11:30	14:00	2.50	PRDHEQ	39		P		MU & RIH W/ 5-3/4" SOLID NO-GO, 2 JTS 2-7/8" EUE L-80 TBG, 5-1/2" PBGA, 2' X 2-7/8" EUE TBG SUB, 2' X 2-7/8" EUE TBG SUB, 2-7/8" M.S.N., 2-7/8" X 2-1/4" PMP BBL, 4' X 2-7/8" EUE TBG SUB, 4 JTS 2-7/8" TBG, 7" TAC, 233 JTS 2-7/8" EUE L-80 TBG, MU 6' TBG SUB & TBG HANGER, SET 7" TAC @ 7628', M.S.N. @ 7806' & EOT @ 7910', TEMP LAND TBG ON HANGER
	14:00	15:00	1.00	PRDHEQ	16		P		RD WORK FLOOR, ND HYDRILL & BOP, LD TBG HANGER & 6' TBG SUB, LAND TBG ON 10K B-FLANGE IN 24K TENSION, NU WELL HEAD & HOOK UP FLOW LINES
	15:00	19:30	4.50	RDMO	02		P		RIG DWN RIG, RACK OUT PUMP & TANK PICK UP LOCATION, ROAD RIG TO 4-13B4, SPOT IN & RU, SDFN

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
8/17/2016	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY WAIT ON COROD RIG
8/18/2016	6:00	7:00	1.00	PRDHEQ	28		P		CT HOLD SAFETY MTG ON RIH W/ COROD, WRITE & REVIEW JSA'S
	7:00	8:30	1.50	PRDHEQ	18		P		FLUSH TBG W/ 60 BBLS 2% KCL, DROP STANDING VALVE PUMP 38 BBLS SEAT STANDING VALVE & PRESSURE TEST TBG TO 1000 PSI
	8:30	13:00	4.50	PRDHEQ	03		P		RIH W/ 2-1/2" PLUNGER, 1-1/2" POLISH ROD, 3' STABILIZER SUB, 1400' SE # 6, 3083' SE # 4, 1508' SE # 5, 926' SE # 6, 802' SE # 7, SPACE COROD OUT W/ 1- 1" ROD, 8', 6', 4' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD, STROKE TEST PUMP GOOD PUMP ACTION, RIG DWN COROD RIG, SLIDE IN P.U. HANG OFF RODS TWOTP

RECEIVED: Oct. 13, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Flying Dutchman 3-18C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013522950000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5138 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 10/25/2016	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
☐ SPUD REPORT Date of Spud:	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	✓ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Cement Squeeze

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please find attached the proposed procedure along with current and post WBD's.

Approved by the
Utah Division of
Oil, Gas and Mining
October 25, 2016

Date:

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Linda Renken	713 997-5138	Sr. Regulatory Analyst

SIGNATURE	DATE
N/A	10/25/2016

RECEIVED: Oct. 25, 2016

Flying Dutchman 3-18 C4 Squeeze Procedure

- Swab testing has identified water source.
- Re-Squeeze perfs @ 8,237’ – 8,420’ w/ cmt, drill out cmt retainer and cmt and test squeeze to 1,000 psi.
- RIH w/ PKR and plug and swab test squeeze.
- RIH w/ production tubing and rods.
- Clean location and resume production.

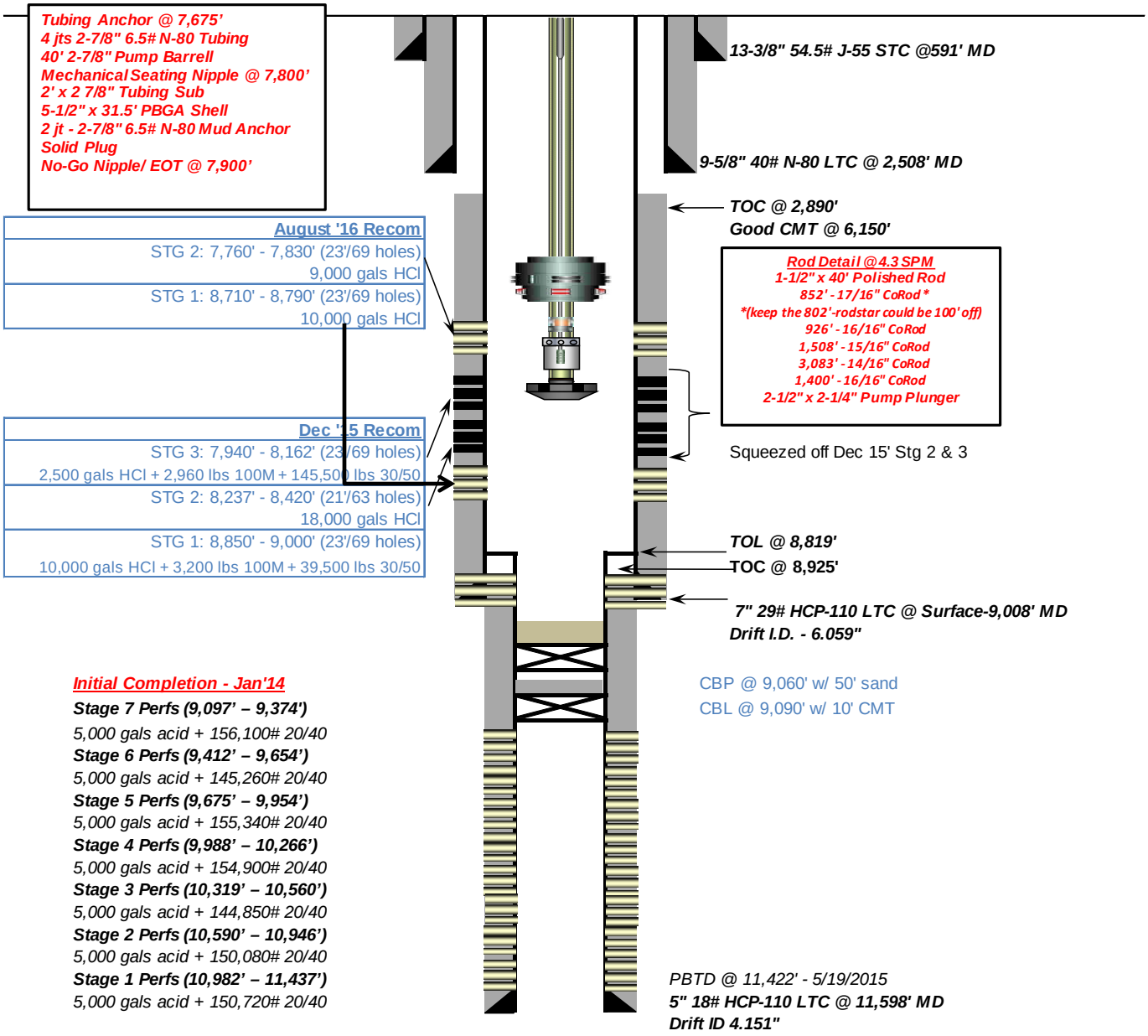
RECEIVED: Oct. 25, 2016

Current WBD

EP ENERGY

Current WBS

Company Name:	EP Energy	Last Updated:	10/18/2016
Well Name:	Flying Dutchman 3-18C4	By:	Fondren
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	TD:	11,595'
Surface Location:	Lat: 40 13'02.78137" N Long: 110 22'24.95566" W	BHL:	
Producing Zone(s):	Green River, Wasatch	Elevation:	



Initial Completion - Jan'14

Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

RECEIVED: Oct. 25, 2016

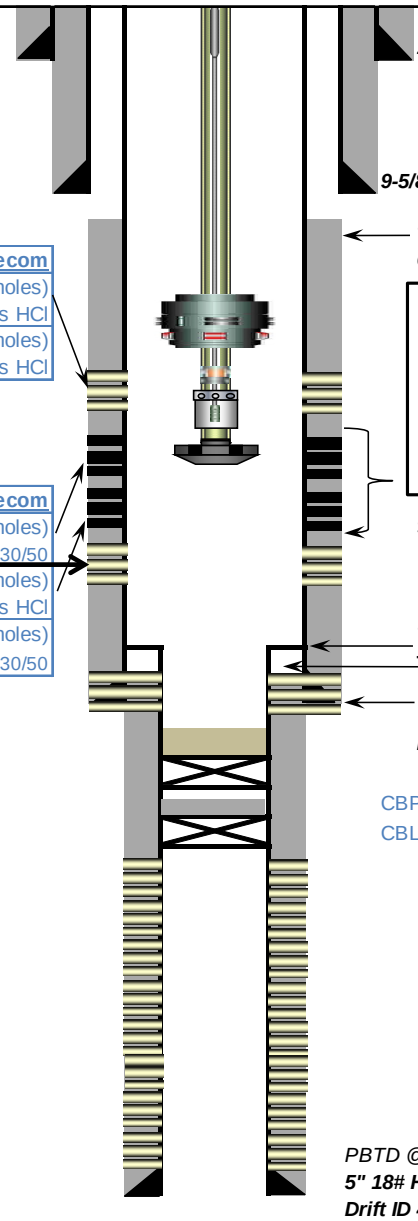
Proposed WBD

EP ENERGY

Current WBS

Company Name:	EP Energy	**Last Updated:**	10/18/2016
Well Name:	Flying Dutchman 3-18C4	**By:**	Fondren
Field, County, State:	Altamont - Bluebell, Duchesne, Utah	**TD:**	11,595'
Surface Location:	Lat: 40 13'02.78137" N Long: 110 22'24.95566" W	**BHL:**	
Producing Zone(s):	Green River, Wasatch	**Elevation:**	

Tubing Anchor @ 7,675'
4 jts 2-7/8" 6.5# N-80 Tubing
40' 2-7/8" Pump Barrell
Mechanical Seating Nipple @ 7,800'
2' x 2 7/8" Tubing Sub
5-1/2" x 31.5' PBGA Shell
2 jt - 2-7/8" 6.5# N-80 Mud Anchor
Solid Plug
No-Go Nipple/ EOT @ 7,900'



13-3/8" 54.5# J-55 STC @591' MD

9-5/8" 40# N-80 LTC @ 2,508' MD

TOC @ 2,890'
Good CMT @ 6,150'

August '16 Recom
STG 2: 7,760' - 7,830' (23'/69 holes)
9,000 gals HCl
STG 1: 8,710' - 8,790' (23'/69 holes)
10,000 gals HCl

Rod Detail @4.3 SPM
1-1/2" x 40' Polished Rod
*852' - 17/16" CoRod **
**(keep the 802'-rodstar could be 100' off)*
926' - 16/16" CoRod
1,508' - 15/16" CoRod
3,083' - 14/16" CoRod
1,400' - 16/16" CoRod
2-1/2" x 2-1/4" Pump Plunger

Dec '15 Recom
STG 3: 7,940' - 8,162' (23'/69 holes)
2,500 gals HCl + 2,960 lbs 100M + 145,500 lbs 30/50
STG 2: 8,237' - 8,420' (21'/63 holes)
18,000 gals HCl
STG 1: 8,850' - 9,000' (23'/69 holes)
10,000 gals HCl + 3,200 lbs 100M + 39,500 lbs 30/50

Squeezed off Dec 15' Stg 2 & 3

TOL @ 8,819'
TOC @ 8,925'

7" 29# HCP-110 LTC @ Surface-9,008' MD
Drift I.D. - 6.059"

CBP @ 9,060' w/ 50' sand
CBL @ 9,090' w/ 10' CMT

Initial Completion - Jan'14
Stage 7 Perfs (9,097' – 9,374')
5,000 gals acid + 156,100# 20/40
Stage 6 Perfs (9,412' – 9,654')
5,000 gals acid + 145,260# 20/40
Stage 5 Perfs (9,675' – 9,954')
5,000 gals acid + 155,340# 20/40
Stage 4 Perfs (9,988' – 10,266')
5,000 gals acid + 154,900# 20/40
Stage 3 Perfs (10,319' – 10,560')
5,000 gals acid + 144,850# 20/40
Stage 2 Perfs (10,590' – 10,946')
5,000 gals acid + 150,080# 20/40
Stage 1 Perfs (10,982' – 11,437')
5,000 gals acid + 150,720# 20/40

PBTD @ 11,422' - 5/19/2015
5" 18# HCP-110 LTC @ 11,598' MD
Drift ID 4.151"

RECEIVED: Oct. 25, 2016

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
Fee

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL
Oil Well

8. WELL NAME and NUMBER:
Flying Dutchman 3-18C4

2. NAME OF OPERATOR:
EP ENERGY E&P COMPANY, L.P.

9. API NUMBER:
43013522950000

3. ADDRESS OF OPERATOR:
1001 Louisiana , Houston, TX, 77002

PHONE NUMBER:
713 997-5138 Ext

9. FIELD and POOL or WILDCAT:
ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 11/2/2016	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☑ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Cement Squeeze

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Squeezed 8237'-8420'with approx. 250 sx. See attached for details.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
November 28, 2016

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Maria S. Gomez	713 997-5138	Consultant
SIGNATURE		**DATE**
N/A		11/11/2016

RECEIVED: Nov. 11, 2016

CENTRAL DIVISION

ALTAMONT FIELD
FLYING DUTCHMAN 3-18C4
FLYING DUTCHMAN 3-18C4
RECOMPLETE LAND

Operation Summary Report

RECEIVED: Nov. 11, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00	14:00	7.00	WOR	18		P		SIWP=0 OPEN WELL RIH TAG CEM AT 8202, RU PWR SWVL,EST CIRC C/O AND DRILL TO CCR @ 8220' DRILL THRU CCR IN 1 HOUR CONTINUE TO DRILL CEM 220' TO CBP @ 8440' CIRC CLEAN RD PWR SWVL
	14:00	18:00	4.00	WOR	39		P		POOH W/ 6" BIT LD PU 7" PKR RIH SET PKR @ 8205' PREP TO SWAB CLOSE AND LOCK PIPE RAMS CLOSE HYDRILL, CLOSE CSG VALVES W/ BULL PLUG CLOSE TIW W/ NIGHT CAP, SDFN
8/30/2016	6:00	7:30	1.50	SW	38		P		TRAVEL TO LOC HSM WRITE JSA,= SWABBING
	7:30	12:00	4.50	SW	38		P		SIWP= 0 PSI OPEN WELL RU SWABB EQUIP TEST LUBE TO 800 PSI, FLUID LEVEL AT SURFACE MADE 16 RUNS RECOVERED 157 BBLS 20% OIL W/ LOTS OF GAS WELL FLOWING TO STRONG TO GET DOWN W/ SWAB
	12:00	16:00	4.00	FB	74		P		WELL WAS FLOWING 26 BBL PER HOUR W/ 30% GAS CUT FWP= 70 PSI TURN WELL OVER TO FBC FOR WEEKEND SHUT RIG CREW DOWN FOR WEEKEND
10/20/2016	6:00	7:00	1.00	UNINARTLT	03		P		TRAVEL TO LOC HSM, WRITE AND REVIEW JSA, PULL COROD PUMP HOT WTR
	7:00	11:00	4.00	UNINARTLT	03		P		SIWP= 150 CSG, 40 PSI TUB, NU HOT OILER PUMP 60 BBLS HOT WTR DOWN CSG COULDNT FISH S/V POOH W/ COROD RDMO COROD RIG
	11:00	19:00	8.00	PRDHEQ	18		P		MOVE RIG AND EQUIP FROM MCMULLIN 4-36A-1 HSM WRITE AND REVIEW JSA , ND WH B/O B-FLANGE INSTALL PERF PUP LAND TUBING ON HNGR NU BOPS AND HYDRILL, TEST 4000 HIGH, 250 LOW, MIRU W/L RIH PERF TUBING AT 7760' RD W/L RELEASE TAC, CLOSE TIW W/ NIGHT CAP, CLOSE AND LOCK PIPE RAMS AND HYDRILL, CLOSE CSG VALVE W/ BULL PLUG SDFN
10/21/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM WRITE AND REVIEW JSA=
	7:00	8:00	1.00	PRDHEQ	18		P		SIWP= 0 PSI ON TUB 40 PSI CSG RU FLOOR AND TUBING EQUIP
	8:00	10:30	2.50	PRDHEQ	18		P		POOH W/ PROD TUBING (TALLYING TUBING) FLUSH PARIFIN FROM TUBING, SCALE PRESENT AT 7780-7830' CALL FOR SCRAPER
	10:30	15:00	4.50	PRDHEQ	18		P		CALIPER AND MEASURE SCRAPER, RIH TO DEPTH OF SCALE WORK EACH JOINT SEVERAL TIMES COUPLE BUMPSCONTINUE TO RIH TAG L/T @ 8819'
	15:00	17:00	2.00	PRDHEQ	18		P		POOH W/ SCRAPER B/O AND LD SCRAPER PU 7" PKR AND RETV BRIDGE PLUG
	17:00	18:00	1.00	PRDHEQ	18		P		SIH W/ PKR AND RBP RIH TO 5222' CLOSE TIW W/ NIGHT CAP CLOSE AND LOCK PIPE RAMS AND HYDRILL CLOSE CSG VALVE W/ BULL PLUG SDFN
10/22/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM, WRITE AND REVIEW JSA=SETTING TOOLS TESTING AND SWABBING
	7:00	9:00	2.00	PRDHEQ	18		P		SIWP=20 PSI CSG, 50 PSI TUB, OPEN WELL CONTINUE TO RIH SET RBP @ 8218' PUH SET PKR @ 8187' TEST TOOLS TO 1500 PSI, PUH SET PKR AT 7912'CLOSE LOCK PIPE RAMS, CLOSE HYDRILL INSTALL TIW RU SWAB EQUIP TEST LUB TO 800 PSI
	9:00	10:30	1.50	SW	38		P		FLUID LEVAT SURFACE MAKE 6 SWAB RUNS RECOVERED 43 BBLS FLUID LEVEL AT 7550' COULDNT RECOVER FLUID W/ NEW CUPS,
	10:30	11:30	1.00	SW	38		P		MAKE 2 RUNS 1/2 HOUR APART GET 1/4 BBL
	11:30	17:00	5.50	SW	38		P		MAKE 5 RUNS 1 HOUR APART RECOVER 1 BBLS TOTAL RECOVERED 44-1/2 BBL TOTAL CLOSE TIW VALVE W/ BULL PLUG CLOSE CSG VALVE W/ BULL PLUG SDFW
10/25/2016	7:00	8:00	1.00	SW	38		P		TRAVEL TO LOC HSM, WRITE AND REVIEW JSA, MOVE AND SWAB TOOLS
	8:00	9:00	1.00	SW	38		P		SIWP=0 PSI TUB, 40 PSI CSG, OPEN WELL RIH W/ SWAB NO ENTRY

RECEIVED: Nov. 11, 2016

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	9:00	10:30	1.50	SW	38		P		RELEASE PKR RIH RELEASE RBP RIH SET RBP @8470' PUH W/ PKR SET AT 8440' TEST TOOLS 1500 PSI RELEASE PKR MOVE UP HOLE TO 8205'RU SWAB EQUIP TEST LUBE TO 800 PSI
	10:30	11:00	0.50	SW	38		P		RIH W/ SWAB MAKE 2 RUNS WELL FLOWING WTR
	11:00	15:00	4.00	FB	19		P		11:00 - 11:30= 42 BBLS 11:30-12:00 = 29 BBLS 12:00- 13:00 = 54 BBLS 13:00- 14:00 =47 BBLS 14:00 - 15:00 = 34 BBLS
	15:00	16:00	1.00	FB	19		P		TURN WELL OVER TO FBC
10/26/2016	6:00	7:00	1.00	FB	18		P		TRAVEL TO LOC, HSM, WRITE AND REVIEW JSA=POOLING TOOLS W/L AWARNESS
	7:00	10:30	3.50	FB	18		P		CONTINUE FLOWING WELL
	10:30	13:00	2.50	PRDHEQ	39		P		NU RIG PUMP EST INJ DOWN TUB OF 3.5BPM @ 1800 PSI RELEASE PKR PUMP 60 BBL BRINE DOWN TUB TO CONTROL WELL RIH RELEASE RBP PUMP 100 BBL BRINE POOH W/ TOOLS LD TOOLS
	13:00	16:00	3.00	WLWORK	26		P		MIRU W/L RIH CORELATE SET CBP AT 8440' POOH CLOSE AND LOCK PIPE RAMS , CLOSE HYDRILL, CLOSE CSG VALVES W/ BULL PLUG, INSTALL W/L NIGHT CAP SDFN
10/27/2016	7:30	8:30	1.00	WOR	26		P		TRAVEL TO LOC WRITE AND REVIEW JSA = W/L SAFETY , TRIPING TUBING , PUMPING
	8:30	11:30	3.00	WOR	26		X		WAIT ON CCR SUPOSED TO BEEN PICKED UP AT FEDEX AT 08:00 DIDNT GET TO LOC TILL 11:30
	11:30	13:00	1.50	WLWORK	26		P		MU CCR ON W/L SETTING TOOL PU RIH SET AT 8220' POOH RDMO W/L
	13:00	14:30	1.50	WOR	39		P		PU CCR STINGER RIH TAG CCR SPACE OUT W/ PUPS W/ JNT ON TOP
	14:30	18:00	3.50	WOR	18		P		MIRU HSM PRESS TEST PUMP AND LINES TO 5000 PSIGET 10 BBL INJ RT AT 3.5 BPM @ 1400 PSI PUMP 10 BBL FRESH AHEAD , PUMP 10 BBL PRO BOND, W/ 5 BBL SPACER MIX AND PUMP 10 BBL CALCIUM, MIX AND PUMP 100 SK OF 20.4 BBL OF 15.8# CEMENT DISPLACE W/ 40 BBL KCL SLOW TO 2 BPM, SD @ 43 BBL DISP, STAGE 5 MIN 0 PSI, IDLE 1/2 BBL PSI @ 600 PSI, 0 PSI IN 9 MIN, STAGE 15 MIN PUMP1 BBL AT IDLE PSI 600 FELL TO 0 PSI IN 12 MIN PUMP CEMENT AWAY TUB VOL PLUS 50 BBLSTING OUT OF RETAINER REV CIRC 2 TUBING VOLUMES CYCLE CCR ONCE W/ PUMP IDLING , CLOSE TUB VALVE AND MANIFOLD, CLOSE CSG VALVE W/ BULL PLUG LOCK PIPE RAMS CLOSE HYDRILL SDFN
10/28/2016	6:00	7:00	1.00	WOR	18		P		TRAVEL TO LOC, HSM WRITE AND REVIEW JSA= PUMP CEM, TRIP TOOLS
	7:00	9:00	2.00	WOR	18		P		SIWP=0 PSI, OPEN WELL TEST PUMP AND LINES TO 5000 PSI STING INTO CCR PUMP 2 BBLS THRU CCR. PUMP 10 BBL INJ RATE= 3 BPM AT 2000 PSI MIX AND PUMP 50 SK CEM W/ 1% CALC. AHEAD MIX AND PUMP 100 SK NET CEM (20.4 BBLAT 15.8#) 15 BBL INTO DISPMENT CSG PRESS CAME UP TP 1200 PSITUB PSI @ 2000 PSI STOPED PUMPING W/ 3.5 BBLS CEM LEFT IN TUB, TUB AND CSG PRESS MATCHED AT 500 PSI, SLOWLY PUMPED CEM OUT OF TUB, PULL OUT OF CCR REV CIRC 120 BBL, SEEN 2 BBLS GRAY WTR, STING INTO CCR PMP 1 BBL 2000 PSI, PULL OUT OF CCR ND PRO PETRO
	9:00	11:00	2.00	WOR	18		P		POOH W/ CEM STINGER
	11:00	13:00	2.00	WOR	18		P		PU 6" ROCK BIT RIH TO 7650' CLOSE TIW W/ NIGHT CAP, CLOSE AND LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE CSG VALVES W/ BULL PLUG SDFN
10/29/2016	6:00	7:00	1.00	WOR	18		P		TRAVEL TO LOC HSM WRITE AND REVIEW JSA= PWR SWVL , DRILLING AND PUMPING

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00	9:30	2.50	WOR	18		P		SIWP= 0 PSI OPEN WELL CONTINUE TO RIH TAG AT 8202' RU PWR SWVL EST REV CIRC C/O AND DRILL TO CCR AT 8228'
	9:30	10:30	1.00	WOR	18		P		DRILL THRU KLX CCR IN 60 MIN
	10:30	14:00	3.50	WOR	18		P		CONTINUE TO DRILL THRU 220' CEMENT TO CBP 8440CIRC CLEAN HANG BACK SWVL
	14:00	16:00	2.00	WOR	18		P		POOH W/ BIT
	16:00	18:00	2.00	WOR	18		P		PU 7" PKR RIH SET AT 8200' CLOSE AND LOCK PIPE RAMS CLOSE HYDRILL CLOSE CSG VALVES W/ BULL PLUG CLOSE TIW W/ NIGHT CAP SDFN
10/30/2016	6:00	7:00	1.00	SW	38		P		TRAVEL TO LOC HSM WRITE AND REVIEW JSA= SWABBING AND WELL CONTROL
	7:00	12:00	5.00	SW	38		P		RU SWAB EQUIP TEST LUBE TO 800 PSI, SIWP = 0 PSI, FLUID LEVEL AT SURFACE MADE 19 RUNS FLUID LEVEL SWABED DOWN TO 1250' RECOVERED 157 BBL
	12:00	16:00	4.00	FB	19		P		WELL FLOWING 25 BBL PER HOUR AT 40 PSI TURN WELL OVER TO FBC
11/1/2016	7:00	8:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM, WRITE AND REVIEW JSA= PULLING TOOLS HOT OILER ,LD EQUIP
	8:00	10:00	2.00	PRDHEQ	18		P		MIRU HOT OILER OPEN WELL RELEASE PKR FLUSH TUBING W/ 40 BBLS HOT BRINE TO CONTROL WELL
	10:00	12:00	2.00	PRDHEQ	18		P		POOH WITH PKR AND LD TOOLS
	12:00	17:30	5.50	PRDHEQ	18		P		P.U. 6" BIT RIH TAG CBP @ 8440' RU PWR SWVL AND PUMP EST REV CIRC D/O CBP CIRC CLEAN CONTINUE TO RIH TAG AT 8819' EST CIRC C/O REMAINS OF CBP ON L/T CIRC CLEAN CONTROL TUB W/ 10 BBS BRINE POOH LD 43 JNTS CONTINUE TO POOH TO EOT @ 7135' CLOSE TIW VALVE CLOSE AND LOCK PIPE RAMS CLOSE HYDRILL, CLOSE CSG VALVES W/ BULL PLUG SDFN, HAPPY HALLOWEEN!
11/2/2016	6:00	7:00	1.00	PRDHEQ	18		P		TRAVEL TO LOC HSM WRITE AND REVIEW JSA= POOH, PU PROD HYDROTESTING
	7:00	9:30	2.50	PRDHEQ	18		P		SIWP= 0 PSI CONTINUE TO POOH KEEP OIL FLUSHED OUT OF ID OF TUBING W/ BRINE POOH LD BIT
	9:30	15:00	5.50	UNINSTUB	25		P		PU BHA MIRU HYDRO TEST UNIT RIH W/ PROD TUBING TESTING TO 8500 PSI ALL JNTS GOOD RD HYDRO TESTER, INSTALL PERF PUP AND HNGR SET TAC @ 7628' W/ 25000# TENSION MSN @ 7806' EOT @ 7909'
	15:00	17:30	2.50	UNINSTUB	25		P		RD FLOOR AND TUBING EQUIP ND HYDRILL & BOPS PULL PERF PUP INSTALL B-FLANGE LAND TUBING NU W/H RD RIG PREP TO MOVE SIW SDFN
11/3/2016	7:00	8:00	1.00	INARTLT	03		P		TRAVEL TO LOC HSM WRITE AND REVIEW JSA RU RUN COROD
	8:00	9:00	1.00	INARTLT	03		P		RU RIG PUMP 60 BBLS DOWN CSG, FLUSH TUBING W/ CHEM AND 50 BBLS BRINE, PU NEW 2-1/4 PLUNGER W/ STABILIZER BAR ATTACHED, GUIDED 2' PONY, TM120 ON/OFF, GUIDED 2' PONY,
	9:00	12:00	3.00	INARTLT	03		P		MU ONTO CO/ROD RIH W/ 1400' 16/16, 3083' 14/16, 1508' 15/16, 926' 16/16, 852' 17/16 SPACE RODS OFF PU POLISH ROD PRESS TEST PUMP TO 1000 PSI RD RIG MOVE OFF, SLIDE UNIT HANG RODS OFF TURN WELL OVER TO PRODUCTION

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013522950000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 **PHONE NUMBER:** 713 997-5138 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 1/23/2017	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Drill out Plugs

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Drill out (2) CBPs @ 9,060' w/ 50' sand and 9,090' w/ 10' cmt. Clean out to PBTD @ 11,595'. Run tubing and rods to produce the commingled wellbore.

Approved by the Utah Division of Oil, Gas and Mining
January 17, 2017
Date:
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Erik Hauser	713 997-6717	Sr EHS Specialist
SIGNATURE N/A		**DATE** 1/17/2017

RECEIVED: Jan. 17, 2017

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: Flying Dutchman 3-18C4

2. NAME OF OPERATOR: EP ENERGY E&P COMPANY, L.P.

9. API NUMBER: 43013522950000

3. ADDRESS OF OPERATOR: 1001 Louisiana , Houston, TX, 77002 **PHONE NUMBER:** 713 997-6717 Ext

9. FIELD and POOL or WILDCAT: ALTAMONT

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 1600 FSL 0980 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESE Section: 18 Township: 03.0S Range: 04.0W Meridian: U

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 1/21/2017	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: Plug Drill Outs

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached Operations Summary Report for Plug Drill outs

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
February 02, 2017

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Erik Hauser	713 997-6717	Sr. HSER Specialist
SIGNATURE N/A		**DATE** 2/1/2017

RECEIVED: Feb. 01, 2017

1 General

1.1 Customer Information

Company	CENTRAL DIVISION
Representative	
Address	

1.2 Well Information

Well	FLYING DUTCHMAN 3-18C4		
Project	ALTAMONT FIELD	**Site**	FLYING DUTCHMAN 3-18C4
Rig Name/No.		**Event**	RECOMPLETE LAND
Start date	12/10/2015	**End date**	4/9/2016
Spud Date/Time	11/20/2013	**UWI**	FLYING DUTCHMAN 3-18C4
Active datum	KB @5,907.0usft (above Mean Sea Level)		
Afe No./Description	165976/55687 / FLYING DUTCHMAN 3-18C4		

2 Summary

2.1 Operation Summary

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
12/11/2015	11:00	11:30	0.50	MIRU	28		P		TGSM & JSA (CO ROD OPERATIONS)
	11:30	12:30	1.00	MIRU	01		P		SLIDE UNIT, MIRU CO ROD UNIT.
	12:30	15:30	3.00	PRDHEQ	39		P		WORK PUMP OFF SEAT, FLUSH RODS AND TUBING W/ 65 BBLS, LAY DOWN P ROD AND SUBS. RU CO ROD IN GRIPPERS SOOH GET CO ROD THROUGH SHOOT AND GRIPPERS BEGIN TO SLIP, CLAMP CO ROD RD WAIT ON CO ROD RIG.
	15:30	17:30	2.00	MIRU	01		N		MIRU 2ND CO ROD RIG, RU GRIPPERS, GRIPPERS SLIPPING, CLEAN CO ROD AND GRIPPERS, POOH W/ 802' 17/16", 225' 16/16 (CO ROD KEPT WORKING OUT OF GRIPPERS) CUT CO ROD, RD WAIT ON CO ROD RIG
	17:30	20:00	2.50	MIRU	01		N		MIRU CO ROD, RU GRIPPERS.
	20:00	23:00	3.00	PRDHEQ	39		P		COOH W/ 701'-16/16" SE CO ROD 1508'-15/16" SE COROD 6499'-14/16" SE CO ROD 1400'-16/16" SE COROD ON/OFF TOOL, SHEAR SUB SHEARED. RDMO CO ROD RIG WATER LOSS FOR DAY 202 BBLS
12/12/2015	6:30	7:30	1.00	WOR	28		P		TGSM JSA SCAN TBG
	7:30	15:30	8.00	WOR	16		P		BLEED DOWN WELL, N/D WELL HEAD, N/U BOP, RELEASE 5" ARROW SET PKR, LAND DONUT TEST 5K, BLEED OFF, POOH SCAN TBG, 266 JTS 2-7/8", X/O, 75 JTS 2-3/8", 5" ARROW SET PKR, 4 JTS 2-3/8", 6' X 2-3/8" PUP, PSN, 4' X 2-3/8" PUP, DESANDER, 2 JT 2-3/8" TBG, BULL PLUG (325 YELLOW) (20 BLUE)
12/13/2015	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY
12/14/2015	6:00	6:00	24.00	WOR	18		P		NO ACTIVITY
12/15/2015	6:30	7:30	1.00	WOR	28		P		TGSM JSA WIRELINE CAUTIONS
	7:30	19:30	12.00	WOR	26		P		R/U WIRELINE, RIH W/ 7" GAUGE TOP LT @ 8819, POOH , RIH W/ 5" GAUGE DOWN 9095', POOH, RIH SET 5" 18# PLUG @ 9084', POOH FILL CSG W/ 225 BBLS, TEST CSG 2300 PSI, RIH DUMP BAIL 10' CEMENT TOP PLUG, RIH SET 2ND CBP @ 9060' W/ 2300 PSI, POOH WIRELINE, P/U DUMP BAIL, DUMP 50' SAND TOP PLUG, NEW PBTD @ 9010'. RDMOL W/ WIRE LINE. SHUT AND LOCK BLIND RAMS, SHUT AND NIGHT CAP CASING VALVES.
12/16/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (NU AND TESTING PROCEDURES)

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30	14:30	7.00	WOR	08		P		ND BOP, NU FRAC VALVE, TEST CASING TO 8000 FOR 15 MINUTES, NU & TEST FRAC STACK TO 9500 PSIG. RU AND TEST WIRE LINE LUBRICATOR.
	14:30	18:00	3.50	STG01	21		P		RIH W/ 2-3/4" HSC GUNS LOADED 3 JSPF W/ 15.1 GM CHARGES & 120* PHASING. PERFORATE 9,000' TO 8,850' W/ 1000 PSIG SURFACE PRESSURE NO CHANGES. POOH RD WIRE LINE, WINTERIZE WELL HEAD. SHUT AND LOCK HCR VALVES, SHUT AND NIGHT CAP CASING VALVES.
12/17/2015	8:00	8:30	0.50	MIRU	28		P		TGSM & JSA (RU FRAC EQUIPMENT)
	8:30	17:00	8.50	MIRU	01		P		MIRU FRAC EQUIPMENT
12/18/2015	6:00	6:30	0.50	STG01	28		P		TGSM & JSA (FRAC OPERATIONS)
	6:30	7:30	1.00	STG01	18		P		PRESSURE TEST, DISCOVERED NIPPLEON SURFACE CASING FROZE AND BROKEN, THAW SURFACE CASING VALVES REPLACE NIPPLE.
	7:30	8:30	1.00	STG01	35		P		SIP @ 1042 PSIG, BREAK DOWN STAGE 1 PERFS @ 3572 @ 9.4 BPM EST RATE TO 38 BPM @ 6377. ISDP @ 3000, 5/ 2814, 10/ 2722, 15/ 2677. STAGE 1 PERFS PUMP 3200 # 100 MESH IN .5 PPG STAGE & 39,500# 30/50 PW IN .5, 1, 1.75 PPG SCREENED OUT ON 1# W/ 25,800# IN FORMATION.
	8:30	12:00	3.50	STG01	19		P		FLOW BACK 501 BBLS
	12:00	15:00	3.00	STG01	35		P		FLUSH W/ 326 BBLS @ 5 BPM @ AVE PRESSURE OF 5900, PUMP ADDITIONAL 280 BBLS WORKING RATE UP TO 20 BPM PRESSURE DROPPED TO 4800, PUMP 5000 GAL 15% HCL FLUSH 5 OVER BTM PERF. ISDP @ 1800
	15:00	16:00	1.00	STG02	21		P		RIH W/ 3 1/8" GUN W/ 22.7 GM CHARGES, 3 JSPF W/ 120 DEGREE PHASING W/ 7" KLX CBP SET @ 8440', PERFORATE STAGE 2 8420' TO 8286' HAD GUN SHORT OUT
	16:00	17:00	1.00	STG02	21		N		POOH REPAIR GUN, RIH W/ GUN.
	17:00	18:00	1.00	STG02	21		P		CONTINUE PERFORATING 8275' TO 8237'
	18:00	18:30	0.50	STG02	35		P		SIP @ 718 BREAK DOWN STAGE 2 PERFS @ 1528 @ 9.4 BPM EST RATE TO 30 BPM @ 6999.ISDP @ 1259 F.G @ .59 5 MINUTE @ 712 10 @ 605. TREAT STAGE 2 W/ 9000 GAL 15% HCL, DROP 95 BIO BALLS FOR DIVERSION, PUMP ADDITIONAL 9000 GAL 15% HCL, FLUSH 5 OVER BTM PERF. ISDP @ 1095, F.G @ .57 5/ 823 10/ 468 15/ 303. SWI WINTERIZE PUMPS AND FRAC LINES. TOT WIRELINE
	18:30	21:00	2.50	STG03	21		P		RIH W/ 3 1/8" GUN W/ 22.7 GM CHARGES, 3 JSPF W/ 120 DEGREE PHASING W/ 7" KLX CBP SET @ 8177', PERFORATE STAGE 3 8162' TO 7940'. POOH WINTERIZE WELL HEAD, SHUT AND LOCK HCR VALVES.
12/19/2015	6:00	7:30	1.50	STG03	28		P		TGSM & JSA (FRAC OPERATIONS)
	7:30	10:00	2.50	RDMO	02		P		RDMOL W/ WIRE LINE EQUIPMENT. ENSURE FRAC EQUIPMENT AND WELL HEAD THAWED.
	10:00	11:30	1.50	STG03	35		P		PRESSURE TEST EQUIPMENT. SIP @ 42 PSI. BREAK DOWN STAGE 3 PERFS @ 1676 PSI @ 9.9 BPM, TREAT STAGE 3 PERFS W/ 5000 15% HCL FLUSH TO BT PERF ISDP @ 1315 F.G @ .6 5MIN 772 10 MIN @ 487, 15 MIN @ 348. TREAT STAGE 3 PERFS W/ 2960# 100 MESH IN .5 PPG STAGE AND 145,500# 30/50 PW IN .5, 1.75, 2.5# STAGES FLUSH TO TOP PERF. ISDP @ 1899 F.G @ .67, 5 MIN @ 1578, 10 MIN @ 1431, 15 MIN @ 1311. FLUID TO RECOVER 4282 BBLS TO RECOVER.
	11:30	14:30	3.00	RDMO	02		P		RDMOL W/ HALLIBURTON FRAC EQUIPMENT, ND FRAC STACK TO TOP VALVE. NU AND TEST BOP
	14:30	6:00	15.50	FB	23		P		OPEN ON 12/64 CHOKE
12/20/2015	6:00	6:30	0.50	WOR	28		P		TGSM & JSA (PUMP OPERATIONS)
	6:30	9:00	2.50	WOR	18		P		MONITERED WELL FLOWING AND PREPPED LOCTAION TO KILL WELL AND RIH TO DRILL PLUGS.
	9:00	6:00	21.00	FB	23		P		CURRENT PRESSURE 150 PSI ON 34 CHOKE FLOWED 987 BBLS TO FLOW BACK TANKS. CURRENT OIL CUT ESTIMATED AT 25%
12/21/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (RIH W/ TBG)

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:30	9:30	2.00	WOR	06		P		PUMP 100 BBLS BRINE, LET SET FOR 20 MINUTES,, BLEED OF GAS, PUMP ADDITIONAL 50 BBLS.
	9:30	13:00	3.50	WOR	40		P		RIH W/ 6" BIT, BIT SUB, RIH W/ 251 JTS 2 7/8" 8RD, TAG @ 8175'. RU POWER SWIVEL, CIRCULATE WELL CLEAN, WASH 10' SAND TAG CBP @ 8185'. DRILL UP CBP.CIRCULTAE CLEAN.
	13:00	18:30	5.50	WOR	40		P		CIH W/ 8 JTS TAG @ 8435' BREAK CIRCULATION. DRILL UP CBP. CIRCULATE WELL CLEAN PULL ABOVE PERFS. SHUT AND LOCK PIPE RAMS, SHUT AND NIGHT CAP CASING VALVES, INSTALL TIW W/ NIGHT CAP.
12/22/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (POWER SWIVEL OPERATIONS)
	7:30	9:30	2.00	WOR	39		P		TSIP & CSIP @ 100 PSI BD CASING PUMP 20 BBLS DOWN TBG, RIH W/ 6 JTS KINKED DRILL LINE.
	9:30	14:30	5.00	WOR	18		P		WAIT ON AND REPLACE DRILL LINE.
	14:30	18:30	4.00	WOR	40		P		CIH TAG LINER TOP W/ JT# 266 @ 8828' SLM. RU POWER SWIVEL, DRILL UP PLUG REMAINS, CIRCULATE WELL CLEAN. SOOH W/ TUBING. SHUT AND LOCK PIPE RAMS, INSTALL TIW W/ NIGHT CAP. OPEN ON 64/64 CHOKE @ 100 PSI TOT FLOW BACK CREW.
	18:30	6:00	11.50	FB	23		P		FLOWED 469 BBLS TO FLOW BACK CURRENT PRESSURE 200 ON 24/64 CHOKE
12/23/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PULLING AND RUNNING TUBING)
	7:30	9:30	2.00	WOR	39		P		PUMP 20 BBLS DOWN TUBING COOH W/ TUBING STOP @ 4646 '
	9:30	11:00	1.50	WOR	06		P		CIRCULATE FULL OF BRINE WATER, SHUT IN CASING BULL HEAD ADDITIONAL 50 BBLS. LET SIT FOR 30 MINUTES.
	11:00	12:00	1.00	WOR	39		P		POOH 142 JTS 2 7/8" BIT SUB, & 6" BIT.
	12:00	12:00	0.00	WOR	39		P		PUMU & RIH W/ 4 1/8" BIT, BIT SUB, 10 JTS 2 3/8" 8RD, X/O TO 2 7/8" 8RD, 266 JTS 2 7/8" TAG @ 8992' RU POWER SWIVEL, BREAK CIRCULATION CLEAN OUT TO PBTD @ 9020' CIRCULATE WELL CLEAN, LAY DOWN 27 JTS 2 7/8" COOH W/ 8 JTS 2 7/8" 8RD. EOT @ 7899' SHUT AND LOCK PIPE RAMS, INSTALL TIW W/ NIGHT CAP. OPEN ON 24/64 CHOKE @ 100 PSI TOT FLOW BACK CREW.
12/24/2015	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (PU PRODUCTION BHA)
	7:30	11:30	4.00	WOR	39		P		PUMP 20 BBLS DOWN TUBING COOH W/ TUBING STOP @ 4650 '. CIRCULATE FULL OF BRINE WATER, SHUT IN CASING BULL HEAD ADDITIONAL 50 BBLS. LET SIT FOR 30 MINUTES. POOH 132 JTS 2 7/8", X/O, LAY DOWN 10 JTS 2 3/8" 8RD, BIT SUB, & 4 1/8" BIT.
	11:30	18:30	7.00	WOR	39		P		PUMU & RIH W/ 5 3/4" SOLID NOGO, 2 JTS 2 7/8" 8RD, 5 1/2" PBGA, 2' PUP JT, +45 PSN, 4 JTS, 7" KLX TAC, 234 JTS 2 7/8" 8RD, SET TAC TEMPORARY LAND TUBING. ND BOPE AND FRAC VALVE. RE LAND TUBING W/ B FLANGE W/ 25K TENSION, NU B FLANGE, INSTALL 3/8 CAP TUBE. RIG DOWN, RACK OUT PUMP LINES. SWI CREW TRAVEL.
12/25/2015	6:00	7:30	1.50	INARTLT	28		P		CT TGSM & JSA (CO ROD OPERATIONS)
	7:30	8:30	1.00	INARTLT	06		P		FLUSH TUBING W/ 60 BBLS KCL W/ CORROSION INHIBITORS, CHAISE W/ 20 BBLS BRINE WATER.
	8:30	9:00	0.50	MIRU	01		P		MIRU CO ROD EQUIPMENT.
	9:00	15:00	6.00	INARTLT	39		P		PUMU AND RIH W/ 2 1/2" X 1 3/4", X 38' ACCELERATED PUMP, 1400' SE6, 6499' SE 4, CUT, POOH AND CUT OFF 3416'. WELD, CIH W/ 1508 SE5, 701' SE6 MAKE WELD CIH W/ 225' SE6, 802' SE7 SPACE OUT W/ 2-8', 1-6', 2-4', 2-2' AND 1 1/2" X 40' P ROD. FILL W/ 3 BBLS L/S TO 1000 PSIG GOOD TEST W/ GOOD PUMP ACTION. RD SLIDE UNIT NO TAG TOTP.
4/8/2016	12:00	13:00	1.00	MIRU	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; CO-ROD OPERATIONS
	13:00	13:53	0.88	MIRU	01		P		SLIDE ROTO FLEX MIRU HOT OIL TRUCK PUMP 60 BBLS OF HOT 2% KCL WATER DOWN CSG MIRU CO-ROD UNIT

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	13:53	16:55	3.03	WOR	39		P		TBG FLOWING STRIP ON TABLE UNSEAT PUMP FLUSH TBG w 40 BBLS OF HOT 2% KCL WATER
	16:55	18:36	1.68	WOR	39		P		TOH w CO-ROD L/D PUMP SECURE WELL BULL PLUG TBG OPEN TO SALES
	18:36	19:30	0.90	RDMO	02		P		RDMO CO-ROD UNIT SDFN
4/9/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; RIG OPERATIONS
	7:00	8:34	1.57	MIRU	01		P		MIRU KILL WELL w 90 BBLS OF BRINE WATER
	8:34	9:30	0.93	WOR	16		P		N/D WELL HEAD N/U AND TEST BOPE RELEASE 7" TAC
	9:30	12:11	2.68	WOR	39		P		TOH w 238 JTS OF 2-7/8" TBG L/D BHA
	12:11	20:00	7.82	WLWORK	27		P		MIRU R/U WIRELINE P/U AND TEST LUBRICATOR TIH w 6" GAUGE RING P/U TIH w WT BARS TAG TA AT 9020' TOH L/D SAME P/U 7" CBP TIH SET AT 8800' DUMP BAIL 10' OF CMT TOC 8790' TOH L/D BAILER SECURE WELL CLOSE BOPE AND LOCK CSG OPEN TO SALES SDFN
4/10/2016	6:00	7:00	1.00	WOR	28		P		CREW TRAVEL TO LOCATION HSM WRITE AND REVIEW JSA TOPIC; WIRELINE OPERATIONS
	7:00	11:00	4.00	WOR	27		P		CSG 100 PSI KILL WELL w 50 BBLS OF BRINE WATER TIH SET 7" CBP AT 8220' DUMP BAIL 10' OF CMT TOC 8210' RDMO WIRELINE
	11:00	12:44	1.73	WOR	39		P		P/U 5 3/4" SOILD NO-GO 2-JTS OF 2-7/8" TBG 5 1/2" PBGA 2' X 2-7/8" TBG SUB 2-7/8" PSN 4-JTS OF 2-7/8" TBG 7" TAC 234-JTS OF 2-7/8" TBG
	12:44	14:00	1.27	WOR	16		P		R/D FLOOR N/D BOPE N/U WELL HEAD SECURE WELL CSG OPEN TO SALE INSTALL BULL PLUG IN TBG RDMO
4/11/2016	6:00	6:00	24.00	INARTLT	18		P		NO ACTIVITY, WAITING ON COROD RIG
4/12/2016	9:00	9:30	0.50	INARTLT	28		P		HOLD SAFETY MTG ON RIH W/ COROD, WRITE & REVIEW JSA'S
	9:30	11:00	1.50	MIRU	01		P		SPOT IN & RU WEATHERFORD COROD, FLUSH TBG W/ 65 BBLS TREATED 2% KCL, TBG STILL FLOWING, PUMP 40 BBLS BRINE DWN TBG
	11:00	14:00	3.00	INARTLT	03		P		RIH W/ 2-1/2" X 1-3/4" X 38' ACCELERATED PMP, ON/OFF TOOL, 3' STABILIZER SUB, 1400' SE6, 3083' SE4, 1508' SE5, 926' SE6, 802' SE7, SPACE RODS OUT W/ 2-8', 1-6', 1-4', 2-2' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD, SEAT PUMP, FILL TBG W/ 5 BBLS, STROKE TEST TO 1000 PSI, GOOD TEST, RIG DWN RIG, SLIDE IN P.U. HANG OFF RODS TWOTP
5/26/2016	17:00	18:00	1.00	MIRU	01		P		SLIDE UNIT, MIRU CO ROD RIG
	18:00	19:00	1.00	WOR	06		P		TUBING AND CASING FLOWING WATER, TUBING BLED DOWN IN CELLAR, UN SEAT PUMP FLUSH CO ROD AND PUMP.
	19:00	21:00	2.00	UNINARTLT	03		P		POOH W/ P ROD, SUBS, 802 SE7, 926 SE6, 1508' SE 5, 3083' SE 4, 1400' SE 6. LAY DOWN AND RETIRE PUMP, BARRIER 1 INSTALL TIW VALVE, BARRIER 2 INSTALL NIGHT CAP. BARRIER 1 SHUT CASING VALVE, BARRIER 2 INSTALL NIGHT CAP. LEAVE WELL FLOWING TO FACILITIES.
5/27/2016	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (RU PROCEDURES)
	7:30	12:00	4.50	WOR	06		P		MIRU RIG, WELL FLOWING 16 BBLS WATER PER HOUR, CIRCULATE BRINE WATER. ND WELL HEAD, NU BOP & TEST BOP, RELEASE TAC
	12:00	15:00	3.00	UNINSTUB	39		P		TOOH W/ 234 JTS 2 7/8" N-80 TBG, LD 7" TAC, TOOH W/ 4 JTS 2 7/8" N-80 TBG, LD PSN. TOOH W/ 2' PUP JT, 5 1/2" PBGA, 2 JTS 2 7/8" TBG, 5 3/4" NO /GO.
	15:00	18:00	3.00	INSTUB	39		P		TIH W/ 5 3/4" NO/GO, 2 JTS 2 7/8" TBG, 5 1/2" PBGA, 2' PUP JT, MECH SN, TBG PUMP CAVITY, 4 JTS 2 7/8" N-80 TBG, 7" TAC, 234 JTS 2 7/8" N-80 TBG. PU 6' PUP JT, SET 7" TAC@ 7655'. LAND TBG W/ DONUT HANGER. RD FLOOR, TBG WORKS. STRIP OFF 10K-5K SPOOL, 5K BOP. REMOVE PUP JT, HANGER, MU B-FLANGE. LAND TBG W/ 18,000# TENSION, TAC @7655, MECH SN @7830', EOT @7933'. RIH W/ CAP STRING, MU WELLHEAD. X-OVER TO ROD EQUIP.
5/28/2016	6:00	7:30	1.50	WOR	28		P		CT TGSM & JSA (RU AND RD PROCEDURES)

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	6:00	6:01	0.02	INARTLT	39		P		RIH W/ 2.25 PLUNGER ,P ROD, ON/OFF TOOL, 3' STABILIZER SUB, 1400' SE6, 3083' SE4, 1508' SE5, 926' SE6, 802' SE7, SPACE RODS OUT W/ 3 1" RODS & 1-1/2" X 40' POLISH ROD, SPACE OUT , FILL TBG W/ 5 BBLS, STROKE TEST TO 1000 PSI, GOOD TEST, RIG DWN RIG, SLIDE IN P.U. HANG OFF RODS TWOTP
1/21/2017	6:00	7:00	1.00	WOR	28		P		TRAVEL TO LOC, HOLD SAFETY MTG ON POOH W/ COROD, WRITE & REVIEW JSA'S
	7:00	11:00	4.00	WOR	39		P		PULL CLAMPS OFF POLISH ROD, RIH ATTEMPT TO LATCH ONTO STANDING VALVE WOULDNT TAG UP, ACTED AS IF COROD WAS PARTED, POOH LD POLISH ROD, 2 1" ROD SUBS, 1-1" ROD, POOH SPOOLING 802'-17/16, 926'-16/16", 1508'-15/16", 3083'-14/16", 1400'- 16/16" COROD, LD STAB SUB & POLISH ROD, 2-1/4" PLUNGER HAD BACKED OFF & LEFT IN HOLE, RD COROD RIG
	11:00	12:00	1.00	MIRU	01		P		SPOT IN & RU PEAK 2300
	12:00	13:30	1.50	WOR	16		P		NDWH, PU BREAK OUT 10K B-FLANGE, MU 6' X 2-7/8" PERF SUB 7 TBG HANGER TEMP LAND TBG ON HANGER, NU 5K BOP & ANNULAR, TEST W/ HOT OILER TO 4000 PSI GOOD TEST
	13:30	15:00	1.50	WLWORK	21		P		RU W.L. RIH & PERF 2-7/8" TBG @ 7610', POOH RD WL
	15:00	18:00	3.00	WOR	18		P		ATTEMPT TO RELEASE TAC NO LUCK, RU POWER SWIVEL, WORK TBG W/ POWER SWIVEL, GETTING 5 ROUNDS RIGHT HAND TORQUE INTO TBG UNTIL TORQUES UP, SECURE WELL, SHUT & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE KELLY COCK VALVE, NIGHT CAP GOOSE NECK ON SWIVEL, CLOSE & CAP CSG VALVES SDFN
1/22/2017	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON STAYING CLEAR OF OVERHEAD LOADS WRITE & REVIEW JSA'S
	7:00	12:00	5.00	WOR	18		P		SICP 70 PSI, SITP 0 PSI, BLOW DWN CSG, CONT WORKING TBG W/ POWER SWIVEL ATTEMPTING TO RELEASE TAC FAILED, RD POWER SWIVEL
	12:00	14:00	2.00	WOR	18		P		MIRU WESTERN CHEM PUMP EQUIP, FILL WELL W/ 6BBLS 2% KCL, SHUT IN CSG, EST INJ RATE DWN TBG 1/2 BPM @ 800 PSI, OPEN CSG TO TANK, PUMP 330 GALS 15% HCL ACID DWN TBG DISPLACE TBG W/ 36 BBLS, CLOSE IN CSG VALVE & DISPLACE TBG W/ AN ADDITIONAL 3 BBLS, ISDP 460 PSI, SHUT TIW VALVE, WATCH TBG & CSG PRESSURE IN 18 MINUTES TBG & CSG 0 PSI ON SLIGHT VACUME, RDMO PUMP EQUIP
	14:00	17:30	3.50	WOR	53		P		RU POWER SWIVEL, BEGIN ROTATING & WORKING TBG ATTEMPTING TO RELEASE 7" TAC, NOTHING CHANGED STILL 5 ROUND INTO TORQUE UP & GET 5 ROUNDS BACK OUT OF TBG NO LUCK, RD SWIVEL, REVERSE CIRC WELL BORE W/ 70 BBLS 2% KCL, SECURE WELL, CLOSE & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE & NIGHT CAP TBG, CLOSE & NIGHT CAP CSG VALVES SDFN
1/23/2017	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON PUMPING ACID, WRITE & REVIEW JSA'S
	7:00	8:30	1.50	WOR	18		P		SPOT IN & RU WESTERN CHEM ACID PUMP TRUCK, PRESSURE TEST TO 4000 PSI, BREAK CIRC W/ 3 BBLS 2% KCL CIRC 10 BBLS FLUID, PUMP 330 GALS 15% HCL ACID DWN TBG DISPLACE TBG W/ 36 BBLS KCL, SHUT IN CSG & BULL HEAD 6 BBLS DWN TBG, ISIP 680 PSI
	8:30	9:45	1.25	RDMO	02		P		RIG DWN MOVE TO SIDE OF LOC W/ ACID PUMP TRUCK
	9:45	13:45	4.00	WOR	53		P		CSG & TBG ON SLIGHT VACUME, RU POWER SWIVEL, CONT WORKING TBG, GETTING 5 ROUND RIGHT HAND TORQUE INTO TBG BEFORE STALLING OUT, PULLING 60K OVER STRING WT & JARRING ON TBG NO CHANGE, RD SWIVEL

2.1 Operation Summary (Continued)

Date	Time Start-End		Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	13:45	14:45	1.00	WOR	18		P		RU PUMP TRUCK PUMP 330 GALS 15% HCL ACID DWN TBG DISPLACE TBG W/ 5 BBLS KCL, RU POWER SWIVEL, CONT DISPLACING TBG W/ 31 BBLS2% KCL, SHUT IN CSG & BULL HEAD 6 BBLS DWN TBG ISIP 780 PSI, RDMO ACID PUMP TRUCK
	14:45	17:30	2.75	WOR	53		P		CONT WORKING TBG W/ POWER SWIVEL ATTEMPTING TO RELEASE TAC, NO CHANGE, REV CIRC W/ 120 BBLS 2% KCL, SECURE WELL, CLOSE & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE & NIGHT CAP TIW VALVE, CLOSE & NIGHT CAP CSG VALVES, SDFN
1/24/2017	7:00	8:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON, PU DRILL COLLARS, WRITE & REVIEW JSA'S
	8:00	10:30	2.50	WOR	06		P		CIRC WELL WHILE WAITING ON W.L. TRUCK. 10" NEW SNOW SLOWED DWN ROADS & TRAFFIC
	10:30	12:00	1.50	WLWORK	53		P		MIRU W.L. RIH W/ 1-7/16 CCL, WT BARS & CHEM CUTTER, RIH & CUT TBG OFF AT 7619', POOH RDMO W.L.
	12:00	15:00	3.00	WOR	39		P		MIRU TBG SCANNERS, SCAN OUT OF HOLE W/ 232 JTS 2-7/8" EUE L-80 TBG & LD 23' OF CUT OFF TBG W/ PERF HOLES, RDMO TBG SCANNERS TOTAL JTS SCANNED 232 JTS 2-7/8" 190 JTS Y.B. LAYED DWN 42 JTS B.B.
	15:00	18:00	3.00	WOR	39		P		TALLY MU & RIH W/ 5-3/4" OVER SHOT DRESSED W/ 2-7/8" GRAPPLE, 4-3/4" BUMPER SUB, X OVER, 4-3/4" SUPER JAR, 4 4-3/4" DRILL COLLARS, 4-3/4" INTENSIFIER, X OVER, 6' X 2-7/8" EUE N-80 TBG SUB & 110 JTS 2-7/8" EUE L-80 TBG, EOT @ 3767', SECURE WELL CLOSE & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE & NIGHT CAP TIW VALVE, CLOSE & NIGHT CAP CSG VALVES, SDFN
1/25/2017	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON JARRING ON TBG, WRITE & REVIEW JSA'S
	7:00	9:00	2.00	WOR	39		P		TBG & CSG WERE FROVE STEAM ON TBG & BOP W/ HOT OILER TO THAW OUT, 0 PSI ON WELL, CONT TALLYING IN HOLE OUT OF DERRICK W/ 80 JTS 2-7/8" EUE L-80 TBG
	9:00	11:00	2.00	WOR	24		P		PREP, TALLY & PICK UP 41 JTS OFF TRAILER, TAG FISH TOP @ 7619', LD 2 JTS 2-7/8" TBG, MU & RIH W/ 6' & 8' X 2-7/8" EUE N-80 TBG SUBS, PU 1 JT 2-7/8" TBG & LATCH ONTO FISH
	11:00	15:30	4.50	WOR	14		P		JAR ON TBG @ 40K OVER STRING WT & BEAT DWN ON TBG, NO MOVEMENT IN PROD BHA, REALLY TIGHT, CONT JARRING ON TBG, FISH STARTED PULLING UP HOLE & PULLED FREE
	15:30	18:00	2.50	WOR	39		P		POOH LD 1 JT 2-7/8" TBG, LD TBG SUBS, TOOH W/ 170 JTS 2-7/8" EUE L-80 TBG, SECURE WELL CLOSE & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE & NIGHT CAP TIW VALVE, CLOSE & NIGHT CAP CSG VALVES, SDFN
1/26/2017	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON SLICK WORK AREA'S, WRITE & REVIEW JSA'S
	7:00	11:00	4.00	WOR	39		P		THAW OUT BOP, 0 PSI ON WELL, CONT POOH W/ 89 JTS WET 2-7/8" EUE L-80 TBG, LD FISHING BHA, LD 9' PIECE OF 2-7/8" TBG, 7" TAC, 2-7/8" X 3-1/2" X OVER, 4 JTS 3-1/2" TBG, 3-1/2" X 2-7/8" X OVER, PUMP BBL, 5-1/2" PBGA, 2 JTS 2-7/8" TBG & 5-3/4" SOLID NO-GO
	11:00	12:00	1.00	WOR	18		P		STEAM OFF WORK FLOOR & EQUIPMENT
	12:00	14:00	2.00	WOR	24		P		PREP & TALLY & RIH W/ 4-1/8" ROCK BIT, BIT SUB, PICKING UP 92 JTS 2-3/8" EUE L-80 WORK STRING TBG & 2-3/8" X 2-7/8" EUE X OVER
	14:00	16:30	2.50	WOR	39		P		RIH OUT OF DERRICK W/ 180 JTS 2-7/8" EUE L-80 TBG, EOT @ 8802', SECURE WELL, CLOSE & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE & NIGHT CAP TIW VALVE, CLOSE & NIGHT CAP CSG VALVES SDFN
1/27/2017	6:00	7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON ICE PLUGS IN LINES, WRITE & REVIEW JSA'S

2.1 Operation Summary (Continued)

Date	Time Start-End	Duration (hr)	Phase	Activity Code	Sub	OP Code	MD from (usft)	Operation
	7:00 11:00	4.00	WOR	10		P		THAW OUT BOP & TBG, 0 PSI ON WELL, RIH W/ 1 JT 2-7/8" TBG TAG @ LINER TOP UNABLE TO WORK THRU, RU POWER SWIVEL BREAK CIRC W/ 1 BBL, DRILL OUT CBP REMAINS & TRASH ON LINER TOP, CIRC, CLEAN
	11:00 17:30	6.50	WOR	10		P		SWIVEL DWN 5 JTS 2-7/8" TBG TAG @ 8996' BEGIN REV CIRCULATING & CLEANING OUT SAND TO 9060', DRILL OUT 5" CBP @ 9060' SPENT 2 HRS GETTING BIT UNPLUGGED, CONT IN HOLE DRILL OUT 10' CMT & 5" CBP @ 9084', CIRC TBG CLEAN, RD POWER SWIVEL, POOH W/ 10 JTS 2-7/8" EUE L-80 TBG, SWCURE WELL, CLOSE & LOCK PIPE RAMS, CLOSE HYDRILL, CLOSE & NIGHT CAP TIW, CLOSE & CAP CSG VALVES, DRAIN PUMP & PUMP LINES, SDFN
1/28/2017	6:00 7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON RIH W/ TBG WRITE & REVIEW JSA'S
	7:00 8:30	1.50	WOR	18		P		-18 DEG AT RIG, TOOK 1.5 HRS TO GET RIG STARTED, THAW OUT BOP & TBG WHILE WAITING TO GET RIG RUNNING, TBG & CSG ON SLIGHT VACUME
	8:30 11:00	2.50	WOR	39		P		RIH OUT OF DERRICK W/ 58 JTS 2-7/8" EUE L-80 TBG, PU 30 JTS 2-7/8" EUE L-80 TBG OFF TRAILER TAG FILL @ 11530' (BTM PERF @ 11437', 93' RAT HOLE)
	11:00 11:30	0.50	WOR	39		P		POOH W/ 20 JTS 2-7/8" TBG, TBG STARTED PULLING WET
	11:30 14:00	2.50	WLWORK	21		P		ORDER W.L., MIRU W.L. RIH & PERF 2-3/8" TBG, POOH RDMO W.L.
	14:00 18:00	4.00	WOR	39		P		POOH W/ 248 JTS 2-7/8" TBG, LD 2-7/8" X 2-3/8" EUE X OVER, 92 JTS 2-3/8" TBG, BIT SUB & 4-1/8" ROCK BIT, FLUSHING TBG AS NEEDED TO HYDRO TEST IN HOLE, SECURE WELL SDFN
1/29/2017	6:00 7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON HYDROTESTING TBG IN HOLE, WRITE & REVIEW JSA'S
	7:00 13:30	6.50	WOR	39		P		SICP 50 PSI, BLOW DWN CSG, TALLY MU & RIH W/ 5-3/4" SOLID NO-GO, 2 JTS 2-7/8" EUE L-80 TBG, 5-1/2" PBGA, 2' X 2-7/8" EUE N-80 TBG SUB, NEW 2-7/8" P.S.N W/ STANDING VALVE INSTALLED., 4' X 2-7/8" EUE N-80 TBG SUB, 3-1/2" EUE X 2-7/8" EUE X OVER, 4 JTS 3-1/2" EUE N-80 TBG, 2-7/8" EUE X 3-1/2" EUE X OVER & 7" WFTRD TAC, FILL TBG W/ HOT OILER, W/ HYDROTEST TRUCK TEST FROM P.S.N. TO 7" TAC TO 8500 PSI GOOD TEST, RIH & RETREIVE STANDING VALVE, RU HYDRO TEST TOOLS, RIH W/ 265 JTS 2-7/8" EUE L-80 TBG TESTING TO 8500 PSI, FOUND 1 COLLAR LEAK, RDMO HYDRO TESTING EQUIP
	13:30 17:30	4.00	WOR	16		P		MU 4' PERF SUB & TBG HANGER, SET 7" TAC @ 8543.67, P.S.N. @ 8680.54 & EOT @ 8782.56, TEMP LAND TBG ON HANGER, RD WORK FLOOR, ND HYDRILL & BOP, POOH LD TBG HANGER & 4' PERF SUB, MU 10K B-FLANGE LAND TBG IN 24K TENSION, NUWH, HOOK UP FLOW LINES, PU LOCATION, RD WORK OVER RIG, SPOT IN RU COROD RIG SDFN
1/30/2017	6:00 7:00	1.00	WOR	28		P		CT HOLD SAFETY MTG ON COROD OPERATIONS, WRITE & REVIEW JSA'S
	7:00 14:00	7.00	WOR	39		P		FLUSH TBG W/ 65 BBLS TREATED 2% KCL, PU PRIME & RIH W/ 2-1/2" X 1-3/4" X 37' INSERT PUMP, 4' X 7/8" STAB SUB, TMX 120 ON/OFF TOOL, 4' X 7/8" STAB SUB, 1400' #6, 3083' #4, 1508' #5, 926' #6, 852' #7 COROD, WELD NEW #7COROD & CONT RIH W/ 755 NEW COROD, WELD ON 1" PIN SPACE OUT COROD W/ 8', 6', 4', 2' X 1" PONY RODS & 1-1/2" X 40' POLISH ROD, SEAT PUMP FILL TBG W/ 2 BBLS STROKE TEST TO 1000 PSI, RD COROD RIG, SLIDE IN P.U. HANG OFF RODS TWOTP